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THE INDUSTRIAL ARTS INDEX

TWELFTH ANNUAL VOLUME

1924

SUBJECT INDEX TO A SELECTED LIST OF ENGINEERING, TRADE AND BUSINESS PERIODICALS, BOOKS AND PAMPHLETS

WITH A LIST OF IMPORTANT TECHNICAL SOCIETIES

EDITED BY
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PREFACE

The 1924 annual volume of the Industrial Arts Index covers approximately the period from December 1, 1923, to December 1, 1924, and includes all the periodical references and the 1511 book titles that have appeared in the 1924 numbers of the Index. Over forty additional magazines have been indexed for 1924. These are American Exporter, American Management Review, Annals of the American Academy of Political and Social Science, Bankers Magazine, Bradstreet's, Bulletin of the Taylor Society, Burroughs Clearing House, Chase Economic Bulletin, Chemical Reviews, Commerce and Finance, Commerce Monthly, Dun's International Review, Dun's Review, Economic Journal, Economic World, Economist, Elektrotechnische Zeitschrift, Federal Reserve Bulletin, Forbes, Harvard Business Review, Index, Investment Bankers Association of America [Bulletin], Journal of the American Bankers Association, Journal of the American Statistical Association, Journal of the Royal Statistical Society, Manufacturers Record, Mining Congress Journal, Moody's Investors Service, National City Bank of New York [Bulletin], Nation's Health, Petroleum Age, Public Service Management, Radio News, Radio Service Bulletin, Review of Economic Statistics, Rubber Age, Sales Management, Spectator, Survey of Current Business, United States Bureau of Mines—Reports of Investigations and University Journal of Business. Zeitschrift des Vereins Ingenieure has recently been added to the list but the earlier numbers of the year are not included. It is hoped that these will be obtained and indexed before the publication of the 1925 volume, which will be a two-year cumulation.

Grateful acknowledgment is made to Elsie Schonholtz, who has revised most of the copy for this Index, and to Dorothy Whitaker, Eleanor Whaley and Florence Plimpton whose interest and faithful work have helped to make this volume possible.

M. E. P.

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WITHDRAWN

Technical Societies

The following list is compiled by Marian Lord of the Index staff from notices found in the periodicals indexed in the Industrial Arts Index for 1924.

Advertising affiliation
Sec.-Treas. Arthur P. Kelly, Rochester, N.Y.

Advisory board on highway research
See The National research council

Aerial league of America
Sec. H. G. Knowles, 280 Madison Ave., New York

Aerial league of the world
Sec. 280 Madison Ave., New York

Aero club of America
This organization, together with the National air association, has been amalgamated into the National aeronautic association of the United States of America

Aeronautical chamber of commerce of America, inc.
Sec. Luther K. Bell, 501 Fifth Ave., New York
Annual meeting, New York, July 14, '25
This organization partly succeeds the Manufacturers' aircraft association in that it will collect and disseminate information regarding aeronautical activities, and will publish the Aircraft Year Book

Aeronautical society of America
Amalgamated with the Society of automotive engineers

Agricultural publishers association
Exec.-Sec. Victor F. Hayden, 76 Monroe St., Chicago
Annual meeting, Chicago, Oct. 16, '24

Alloys research association
Chairman, Bd. of Managers. Alfred D. Flinn, Engineering Foundation, 29 W. 39th St., New York

American acceptance council
Pres. Fred. I. Kent, Bankers' Trust Co., New York
Convention, New York, Dec. 12, '24

American asphalt association
Sec. 110 E. 42d St., New York

American association for labor legislation
Sec. Dr. John B. Andrews, 131 E. 23rd St., New York
Annual meeting, Chicago, Dec. 29-31, '24

American association for the advancement of science
Sec. Dr. Burton E. Livingston, Johns Hopkins University, Baltimore
Annual meeting, Washington, D.C., Dec. 29, '24-Jan. 3, '25

American association of advertising agencies
Sec. Herbert S. Simpers, McLain-Simpers Organization, 210 S. 7th St., Philadelphia
Annual convention, Oct. 6-11, '24

American association of engineers
Sec. C. E. Drayer, 63 E. Adams St., Chicago
Annual meeting, San Francisco, June 11-13, '24

American association of ice and refrigeration
Sec. J. F. Nickerson, 5707 West Lake St Chicago
Annual meeting, Washington, D.C., March 20-21, '24

American association of industrial physicians and surgeons
Sec.-Treas. Dr. A. W. Colcord, Carnegie Steel Co., Pittsburgh
Annual meeting, Chicago, June 9-10, '24

American association of museums
Sec. Laurence V. Coleman, Smithsonian Institution, Washington, D.C.
Annual meeting, Washington, D.C., May 10-13, '24
Annual meeting, St. Louis, May, '25

American association of oil burner manufacturers
Sec.-Treas. Leod C. Becker, Galesburg, Ill.
1st annual meeting, St. Louis, April 1-3, '24

American association of operating engineers
Sec. H. C. Bristol, 501 Maury St., Alaco, Tenn.
Organization of southern electric light and power plant engineers

American association of petroleum geologists
Sec.-Treas. Charles E. Decker, Norman, Okla.
Annual meeting, Houston, Tex. March 27-29, '24

American association of port authorities
Sec. Tiley S. McChesney, Court Bldg., New Orleans

American association of refrigeration
Now the American association of ice and refrigeration

American association of state highway officials
Sec. Charles M. Upham, Raleigh, N.C.
Annual convention, San Franscisco, Nov. 17-20, '24

American association of textile chemists and colorists
Sec. Walter E. Hadley, 5 Mountain Ave., Maplewood, N.J.
Annual meeting, Philadelphia, Dec. 5-6, '24

American association of woolen and worsted manufacturers
Sec. J. J. Nevins, 24 Waverly Place, New York
Semi-annual meeting, New York, July 15, '24
Annual meeting, New York, Dec. 3, '24

American automobile association
Now the New American automobile association

American bankers' association
Sec. Wm. G. Fitzwilson, 110 E. 42d St., New York
Annual convention, Chicago, Sept. 29-Oct. 2, '24
Annual Spring meeting of the Executive council, Augusta, Ga., April 20-23, '25

American boiler manufacturers' association
Sec.-Treas. H. N. Covell, 191 Dikeman St., Brooklyn, N.Y.
Annual meeting, Hot Springs, Va., June 9-11, '24
Mid-winter meeting, Cleveland, Feb. 12, '25

American bureau of metal statistics
Director. Dr. W. R. Ingalls, 115 Broadway, New York

American ceramic society
Sec. Ross C. Purdy, Lord Hall, Ohio State University, Columbus, O.
Summer meeting, Trip to Pacific Coast, July 21-Aug. 18, '24
Annual meeting, Columbus, O., Feb. 16-21, '25

American chamber of economics, inc.
Sec. 55 Fifth Ave., New York

American chemical society
Sec. Charles L. Parsons, 1709 G St., N.W., Washington, D.C.
Annual convention, Ithaca, N.Y., Sept. 8-13, '24
National exposition of the chemical industries, Grand Central Palace, New York, Sept. 28-Oct. 3, '25

American concrete institute
Sec. Harvey Whipple, 1807 E. Grand Boulevard, Detroit
Annual meeting, Chicago, Feb. 24-27, '25

American construction council
Exec. Sec. Dwight L. Hoopingarner, 28 W. 44th St., New York
Annual meeting, New York, Oct. 2-3, '24
Aim is to correlate the efforts of the existing organizations, including architects, contractors, labor, manufacturers, and public utilities, state, and federal officers, for the betterment of industry

American cotton manufacturers' association
Sec.-Treas. Winton D. Adams, 701 Commercial Bldg., Charlotte, N.C.
Annual meeting, Atlantic City, May 27-28, '24

American die casting institute
Pres. A. E. Craft, 2535 N. Ashland Ave., Chicago

American drop forge association
The work of this association is being carried on by the American drop forging institute

American drop forging institute
Commissioners. Scovell, Wellington & Co., 1168 Hanna Bldg., Cleveland
This association will carry on the work of the American drop forge association

American drug manufacturers' association
Sec. Carson P. Frailey, Albee Bldg., 1426 G St., N.W., Washington, D.C.
Annual meeting, New York, April 7-12, '24

American economic association
Sec.-Treas. Ray B. Westerfield, Yale University, New Haven, Conn.

American electric railway accountants' association
Sec.-Treas. J. W. Welsh, 8 W. 40th St., New York
Annual meeting, Atlantic City, Oct. 6-9, '24

American electric railway association
Sec. J. W. Welsh, 8 W. 40th St., New York
Midyear conference, St. Louis, March 4, '24
Annual convention, Atlantic City, Oct. 6-11, '24

American electrochemical society
Sec. Colin G. Fink, 101 Park Ave., New York
Fall meeting, Detroit, Mich., Oct. 2-4, '24
Spring meeting, Niagara Falls, N.Y., April 23-25, '25

American electro-platers' society
Sec.-Treas. E. J. Musick, 7144 Kingsbury Blvd., St. Louis
Annual convention, Montreal, June, '25
Branch societies with names and addresses of secretaries and notices of meetings are published each month in the Brass World

American engineering council (formerly the Federated American engineering societies)
Sec. Lawrence W. Wallace, McLachlan Bldg., Washington, D.C.
Annual meeting, Washington, D.C., Jan 16-17, '25

American engineering standards committee
Sec. Dr. P. G. Agnew, 29 W. 39th St., New York
Executive meeting, New York, July 12, '24

American face brick association
Sec. R. D. T. Hollowell, 130 N. Wells St., Chicago
Annual meeting, Hot Springs, Va., Dec. 2-4, '24

American federation of arts
Sec. Miss Leila Mechlin, 1741 New York Ave., N.W., Washington, D.C.
Annual convention, Cleveland, May 13-16, '25

American foundrymen's association
Sec.-Treas. C. E. Hoyt, Marquette Bldg., Chicago
Annual convention, Milwaukee, Wis., Oct. 13-18, '24

American gas association, inc.
Sec.-Man. Alexander Forward, 342 Madison Ave., New York
Annual convention, Atlantic City, Oct. 13-17, '24

American gear manufacturers' association
Sec. T. W. Owen, 2443 Prospect Ave., Cleveland
Semi-annual meeting, Briarcliff Manor, N.Y., Oct. 16-18, '24

American gold and silver institute
Director. H. N. Lawrie, Washington, D.C.
Institute will engage in statistical research and economic surveys in connection with transportation and taxation as well as assisting gold and silver producers

American hardware manufacturers' association
Sec. F. D. Mitchell, 1819 Broadway, New York
Fall meeting, Atlantic City, Oct. 15-17, '24

American institute of accountants
Sec. A. P. Richardson, 135 Cedar St., New York
Annual meeting, St. Louis, Sept. 16, '24

American institute of architects
Sec. Edwin H. Brown, 1200 Second Ave., S., Minneapolis
Annual convention, New York, April 20-May 2, '24

American institute of banking
Sec. Richard W. Hill, 110 E. 42d St., New York
Annual convention, Baltimore, Md., July 14-18, '24

American institute of chemical engineers
Sec. John C. Olsen, Brooklyn Polytechnic Institute, Brooklyn, N.Y.
Semi-annual meeting, Denver, Colo., July 15-18, '24
Annual meeting, Pittsburgh, Pa., Dec. 3-6, '24

American institute of chemists (formerly American institute of chemistry)
Sec. L. R. Seidell, 80 Washington St., New York

American institute of consulting engineers
Sec. Col. F. A. Molitor, 143 Liberty St., New York

American institute of electrical engineers
Sec. F. L. Hutchinson, 33 W. 39th St., New York
Pacific Coast convention, Pasadena, Calif., Oct. 13-17, '24
Midwinter convention, New York, Feb. 9-12, '25
Spring convention, St Louis, April 13-17, '25
Annual convention, Saratoga, N.Y., June '25

American institute of fertilizer chemists
Sec.-Treas. W. J. Gascoyne, jr., 27 S. Gay St., Baltimore, Md.

American institute of lead manufacturers
Sec. 90 West St., New York

American institute of metals
Now a division of the American institute of mining and metallurgical engineers

American institute of mining and metallurgical engineers
Sec. Frederick F. Sharpless, 29 W. 39th St., New York
Fall meeting, Birmingham, Ala., Oct. 13-15, '24
Annual meeting, New York, Feb. 16-19, '25

American institute of steel construction (formerly National steel fabricators' association)
Exec.-Director. Charles F. Abbott, 350 Madison Ave., New York
Annual convention, French Lick, Ind., Nov. 13-15, '24
Annual convention, White Sulphur Springs, W.Va., Nov. '25

American institute of weights and measures
Sec. C. C. Stutz, 115 Broadway, New York

American iron and steel institute
Sec. E. A. S. Clarke, 40 Rector St., New York
Annual meeting, New York, May 23, '24
Fall meeting, New York, Oct. '24

American iron, steel and heavy hardware association
Sec.-Treas. 47 W. 34th St., New York
Annual meeting, Richmond, Va., May 5-10, '24

American leather chemists' association
Sec. H. C. Reed, 22 E. 16th St., New York
Annual convention, Spring Lake, N.J., June 18-20, '24

American malleable castings association
Sec.-Treas. Robert E. Belt, 1900 Euclid Ave., Cleveland
Annual meeting, Chicago, Jan. 10, '25

American management association
Managing Dir. W. J. Donald, 20 Vesey St., New York
Annual meeting. Swampscott, Mass., Sept. 19-20, '24
Annual convention, New York, Jan. 28-30, '25
This society is an amalgamation of the National personnel association, the National association of corporation training, the Industrial relations association of America, and the National association of sales managers

American manufacturers' association
Sec. 2 Rector St., New York
Annual convention, Jersey City, Sept. 2, '24

American manufacturers' export association
Sec. Harry L. Hanson, 160 Broadway, New York
Annual convention, New York, Oct. 22, '24

American marine association (formerly the Marine equipment association of America)
Sec. 15 Park Row, New York
Annual meeting, New York, Nov. 12, '24

American mathematical society
Sec. R. G. D. Richardson, Brown University, Providence, R.I.
Annual meeting, Washington, D.C., Dec. 29-31, '24

American merchant marine library association
Sec. C. C. Smith, 82 Beaver St., New York

American metric association
Sec. Howard Richards, jr., 156 Fifth Ave., New York
Annual meeting, Washington, D.C., Dec. 29-30, '24

American mining congress
Sec. James F. Callbreath, Munsey Bldg., Washington, D.C.
Annual convention and conference on mine taxation, Sacramento, Calif., Sept. 29-Oct. 4, '24

American national retail jewelers' association
Sec. A. W. Anderson, Neenah, Wis.

American newspaper publishers association
Sec. George M. Rogers, c/o Cleveland Plain-Dealer, Cleveland
Annual convention, New York, April 21-24, '24

American oil chemists' society (formerly Society of cotton products analysts)
Sec.-Treas. Thomas B. Caldwell, Law & Co., Wilmington, N.C.
Annual meeting, New Orleans, La., May 5-6, '24

American order of steam and electrical engineers
Corresponding engineer. William S. Wetzler, 753 N. 44th St., Philadelphia
Annual meeting, Philadelphia, June 2-7, '24

American paper and pulp association
Sec.-Treas. Dr. Hugh P. Baker, 18 E. 41st St., New York
Annual meeting, New York, Feb. 2-7, '25

American peat society
Sec. J. H. Beattie, U.S. Dept. of Agriculture, Washington, D.C.

American petroleum institute
Sec. R. L. Welch, 15 W. 44th St., New York
Annual meeting, Forth Worth, Texas, Dec. 9-11, '24

American pharmaceutical association
Sec. William B. Day, 701 S. Wood St., Chicago
Annual convention, Buffalo, Aug. 25-29, '24
Annual convention, Des Moines, Ia., Aug., '25

American pharmaceutical manufacturers' association
Sec.-Treas. Ralph R. Patch, 25 Congress St., Boston
Annual convention, French Lick, Ind., June 1, '24
Annual meeting, White Sulphur Springs, W. Va., June '25

American photoengravers' association
Sec.-Treas. O. F. Kwett, Canton, Ohio
Annual convention, Boston, June 26-28, '24

American physical society
Sec. H. W. Webb, Columbia University, New York
Meeting, Stanford University, Calif., June 26, '24

American pig iron association
Sec. John A. Penton, Penton Publishing Co., Cleveland

American public health association
Sec. Homer N. Calver, 13 Van Dam St., New York
Annual meeting, Detroit, Oct. 20-23, '24

American radio relay league
Director. N. E. Wunderlich, 8327 Drexel Ave., Chicago

American railway association
Sec. H. J. Forster, 30 Vesey St., New York
Meeting, Galveston, Texas, Nov. 19, '24
A complete list of the various divisions and sections of the American railway association, and also of all the other important railway associations, with convention dates and secretaries, is to be found in the first number of each month of the Railway Age

American railway bridge and building association
Sec.-Treas. C. A. Lichty, C. & N.W. Railway, 319 N. Waller Ave., Chicago
Annual convention, Buffalo, Oct. 21-23, '24

American railway development association
Sec.-Treas. A. L. Moorshead, c/o Erie Railroad, New York
Semi-annual meeting, Chicago, Dec. 4-5, '24
Annual meeting, San Antonio, Texas, May 13, '25

American railway engineering association
Sec. E. H. Fritch, 431 S. Dearborn St., Chicago
Annual meeting, Chicago, March 10-12, '25

American railway tool foremen's association
Sec. G. G. Macina, C. M. & St. P. Railway, Chicago
Annual convention, Chicago, Aug. 28-30, '24

American road builders association
Sec. Ethel A. Birchland, 37 W. 39th St., New York
Annual convention, Chicago, Jan. 5-9, '25

American short line railroad association
Sec. T. F. Whittelsey, Union Trust Bldg., Washington, D.C.
Annual meeting, Washington, May 14, '24

American society for municipal improvements
Sec. Charles C. Brown, Dept. Public Works, St. Petersburg, Fla.
Annual convention, Boston, Sept. 29-Oct. 3, '24

American society for steel treating (formerly American steel treaters' society)
Sec. W. H. Eisenman, 4600 Prospect Ave., Cleveland
Annual convention and International steel exposition, Boston, Sept. 22-26, '24

American society for testing materials
Sec.-Treas. C. L. Warwick, 1315 Spruce St., Philadelphia
Annual meeting, Atlantic City, June 22-26, '25

American society of agricultural engineers
Sec. Raymond Olney, Mt. Clemens, Mich.
Semi-annual meeting, Lincoln, Neb., June 18-20, '24

American society of biological chemists
Sec. Victor C. Meyers, 308 E. 20th St., New York

American society of civil engineers
Sec. John H. Dunlap, United Engineering Societies Bldg., 33 W. 39th St., New York
Spring meeting, Atlanta, Ga., April 9-12, '24
Annual convention, Pasadena, Calif., June 18-20, '24
Fall meeting, Detroit, Oct. 22-25, '24
Annual meeting, New York, Jan. 21-23, '25

American society of heating and ventilating engineers
Sec. F. C. Houghten, 29 W. 39th St., New York
Semi-annual meeting, Kansas City, Mo., June 10-12, '24
Annual meeting, Boston, Jan. 28-30, '25

American society of marine designers (formerly American society of marine draftsmen)
Sec. B. G. Barnes, 202 Kendrick Ave., Quincy, Mass.

American society of mechanical engineers
Sec. Calvin W. Rice, 29 W. 39th St., New York
Annual meeting, New York, Dec. 1-4, '24
Spring meeting, Milwaukee, Wis., May 18-21, '25

American society of naval engineers
Sec.-Treas. Commander Bryson Bruce, Bureau of Engineering, Navy Dept., Washington, D.C.

American society of refrigerating engineers
Sec. William H. Ross, 35 Warren St., New York
Annual meeting, New York, Dec. 1-3, '24

American society of safety engineers
Sec. W. Dean Keefer, 166 N. Michigan Ave., Chicago
This society has combined with the Engineering section of the National safety council and is now known as the American society of safety engineers, the Engineering section of the National safety council

American society of sales executives
Sec. E. J. Little, c/o The Wahl Co., 427 Broadway, New York
Annual meeting, White Sulphur Springs, W. Va., Oct. 9-11, '24
Spring conference, Congress Lake Country Club, Canton, O., May '25

American society of sanitary engineering
Sec. Harvey A. Call, 3207 Park Ave., New York
Annual convention, Philadelphia, Sept. 16-19, '24
Annual convention, St. Louis, Sept. '25

American specification institute
Sec. Gardner C. Coughlen, 19 S. LaSalle St., Chicago

American statistical association
Sec.-Treas. Robert E. Chaddock, Columbia University, New York
Annual meeting, Chicago, Dec. 29-31, '24

American steel treaters' society
Now the American society for steel treating

American supply and machinery manufacturers' association
Sec.-Treas. Frederick D. Mitchell, 4106 Woolworth Bldg., New York

American trade executives association
Now the National association of trade association executives

American valuation association
Sec. Stanley Williamson, Linde Air Products Co., 30 E. 42d St., New York

American warehousemen's association
Sec. C. L. Criss, 1110 Bessemer Bldg., Pittsburgh, Pa.
Annual meeting, Chicago, Dec. 8-12, '24

American water works association
Sec. W. M. Niesley, 170 Broadway, New York
Annual convention, Louisville, Ky., May, '25

American welding society
Sec. Miss M. M. Kelly, 33 W. 39th St., New York
Annual convention, Cleveland, Oct. 30-31, '24

American wood preservers' association
Sec.-Treas. P. R. Hicks, Room 1146, Otis Bldg., Chicago
Annual meeting, St. Louis, Feb. 3-5, '25

American zinc institute, inc.
Sec. Stephen S. Tuthill, 27 Cedar St., New York
Annual meeting, St. Louis, April 28-29, '24

Army and navy air service association
Sec. Earl N. Findley, Munsey Bldg., Washington, D.C.
Annual meeting, Washington, D.C., Oct. 27, '24

Army ordnance association
Sec. Munsey Bldg., Washington, D.C.

Asphalt association
Sec. J. E. Pennybacker, 23 W. 43d St., New York
Annual Asphalt paving conference, Louisville, Ky., Oct. 13-15, '24

Associated advertising clubs of the world
Sec.-Treas. Jesse H. Neal, 220 W. 42d St., New York
Annual convention, London, England, July 14-20, '24
Annual convention, Houston, Texas, May 10-14, '25

Associated business directory publishers
Sec.-Treas. F. A. Von Wieding, 334 Fourth Ave., New York

Associated business papers, inc.
Sec. Jesse H. Neal, 220 W. 42d St., New York
Annual convention, New York, Oct. 27-29, '24

Associated general contractors of America
Sec. D. H. Sawyer, 1038 Munsey Bldg., Washington, D.C.
Annual meeting, Washington, D.C., Jan 12-14, '25

Associated manufacturers of electrical supplies
Sec. Frederick Nicholas, 30 E. 42d St., New York
Fall sectional meetings, New York, Nov. 10-14, '24

Associated metal lath manufacturers
Commissioner. Wharton Clay, 123 W. Madison St., Chicago

Associated traffic clubs of America
Sec. B. L. Birkholz, 260 11th Ave., New York
Annual convention, Indianapolis, Ind., May 23-24, '24

Association of arts and industries
Sec. Norma K. Stahle, 230 E. Ohio St., Chicago

Association of chemical equipment manufacturers (formerly Chemical equipment association)
Sec. Roberts Everett, 1328 Broadway, New York
Annual meeting, New York, Sept. 17, '24
Chemical equipment exposition, Providence, R.I., June 22-27, '25

Association of Chinese and American engineers
Sec. P. Y. Tsai, c/o The Chuchow-Chinchow Railway, Peking

Association of collegiate schools of architecture
Sec. Clarence A. Martin, Cornell University, Ithaca, N.Y.

Association of Edison illuminating companies
Sec. Preston S. Millar, Electrical Testing Laboratories, East End Ave. and 80th St., New York
Annual convention, New London, Conn., Sept. 8-12, '24

Association of electragists international
Sec. Lawrence W. Davis, 15 W. 37th St., New York
Annual convention, West Baden Springs, Ind., Oct. 6-10, '24
Formerly known as the National Association of electrical contractors and dealers, and as the International association of electragists

Association of employees' clubs
Sec. J. Marshall, Alexander Hamilton Inst., 13 Astor Place, New York

Association of governmental labor officials of the United States and Canada
Sec.-Treas. Louise Schutz, Industrial Commission, 612 Bremer Arcade, St. Paul, Minn.
Annual convention, Chicago, May 19-23, '24

Association of iron and steel electrical engineers
Sec. F. W. Cramer, Bethlehem Steel Corporation, Johnston, Pa.
Annual meeting and exposition, Pittsburgh, Pa., Sept. 15-20, '24

Association of jute and cotton bag manufacturers
Sec.-Treas. T. M. Gallie, 8 W. 40th St., New York

Association of national advertisers, inc.
Sec.-Treas. Robert K. Leavitt, 15 W. 46th St., New York
Annual meeting, Atlantic City, Nov. 17-19, '24

Association of natural gasoline manufacturers
Pres. D. E. Buchanan, Chestnut and Smith Corp., Tulsa, Okla.
Annual convention, Tulsa, Okla., April 23-24, '24

Association of official agricultural chemists
Sec.-Treas. W. W. Skinner, Bureau of Chemistry, Washington, D.C.
Annual meeting, Washington, D.C., Oct. 20-22, '24

Association of railway electrical engineers
Sec.-Treas. Joseph A. Andreucetti, Room 413, C. & N. W. Terminal Station, Chicago
Semi-annual meeting, Atlantic City, June 12, 24
Annual meeting, Chicago, Oct. 20-24, '24

Association of railway executives
Chairman. Stanley J. Strong, Transportation Bldg., 17th & H Sts., N.W., Washington, D.C.

Association of scientific apparatus makers of the United States of America
Sec. J. M. Roberts, 460 E. Ohio St., Chicago
Meeting, Rochester, N.Y., Nov. 14-15, '24

Atlantic deeper waterways association
Sec.-Treas. Wilfred H. Schoff, Real Estate Trust Bldg., Philadelphia

Auto bus association of New York state
Sec.-Treas. James B. Dadd, 120 Vermont Ave., Rochester, N.Y.
Annual meeting, Syracuse, N.Y., Nov. 12, '24

Automobile body builders' association
Sec. F. D. Mitchell, 1819 Broadway, New York
Annual convention, Detroit, June 3-4, '24

Automotive associations
A list of automobile shows, foreign as well as American, and of conventions and meetings is published each week in Automotive Industries

Automotive equipment association
Sec. William M. Webster, 18th floor, City Hall Square Bldg., Chicago
Annual meeting, New Orleans, March 31-April 4, '24
Summer convention, Colorado Springs, June 22-27, '24
Annual convention, Chicago, Nov. 17-19, '24

Aviation clubs
A list of aviation clubs is published from time to time in Aviation

Bankers' association for foreign trade
Sec. Fred W. Allen, Northern Trust Co., S. La Salle & Monroe Sts., Chicago
Annual convention, Buffalo, March 17-22, '24

Better business letters association
Sec. Louis Balsam, 770 Penobscot Bldg., Detroit

Boston society of civil engineers
Sec. John B. Babcock, 715 Tremont Temple, Boston

British electrical and allied manufacturers' association
World power conference and British Empire exhibition, Wembley, London, June 30-July 12, '24
Organizing director, D. N. Dunlop, c/o British electrical and allied manufacturers' association

British iron and steel institute
Sec. George C. Lloyd, 28 Victoria St., London, S.W.1
Annual meeting, London, May 8-9, '24

Building officials' conference
Sec. J. F. Downey, Building Commissioner, Cambridge, Mass.
Annual meeting, Louisville, Ky., April 8-10, '24

California motor carriers' association
Sec. James G. Blaine, 1290 Bush St., San Francisco

Canadian association of stationary engineers
Sec. Miss Violet Pearce, 139 Essex St., Toronto, Ont.
Annual meeting, St. Thomas, Ont., June 23-26, '24
Annual convention, Windsor, Ont., June 29-July 1, '25

Canadian deep waterways and power association
Sec.-Treas. Major Alex. Lewis, Toronto, Ont.
Annual convention, St. Catherines, Ont., Nov. 27-28, '24

Canadian electric railway association
Sec. Eustace Smith, jr., Toronto Transportation Commission, Toronto
Annual convention, Ottawa, June 11-13, '24

Canadian electrical association
Sec. Louis Kon, 65 McGill College Ave., Montreal
Annual convention, Ottawa, Ont., June 11-13, '24

Canadian engineering standards association
Sec. Richard J. Durley, 638-9 Jackson Bldg., Toronto

Canadian gas association
Sec.-Treas. (Acting) George W. Allen, 7 Astley Ave., Toronto, Ont.
Annual convention, Toronto, Ont., Aug. 28-29, '24

Canadian good roads association
Sec.-Treas. George A. McNamee, 909 New Birks Bldg., Montreal, Que.
Annual convention, St. Andrews-by-the-sea, June '24

Canadian institute of chemistry
Sec. L. E. Westman, 57 Queen St., West, Toronto, Ont.
Annual meeting, Kingston, Ont., May 27-29, '24

Canadian institute of mining and metallurgy
Sec.-Treas. G. C. Mackenzie, Montreal, Que.
Annual meeting, Toronto, Ont., March 5-8, '24

Canadian national clay products association
Sec.-Treas. Gordon Keith, 435 Grace St., Toronto
Annual meeting, Toronto, Ont., Jan. 20-22, '25

Canadian society of civil engineers
Now the Engineering institute of Canada

Carnegie institute of economics
Sec. 26 Jackson Place, N.W., Washington, D.C.

Chamber of commerce of the United States of America
Sec. D. A. Skinner, Chamber of Commerce Bldg., Washington, D.C.
Mid-year meeting, Washington, D.C., Oct. 23-24, '24

Chemical equipment association
Now the Association of chemical equipment manufacturers

Chemical foundation
Sec. 85 Beaver St., New York

China society of America
American headquarters, 19 W. 44th St., New York

City managers' association
Sec. John G. Stutz, Lawrence, Kansas
Annual convention, Montreal, Sept. 23-25, '24

City planning institute
Sec. Flavel Shurtleff, 130 E. 22d St., New York
Annual conference, Los Angeles, Calif., April 7-10, '24

Clearwater timber protective association
Sec.-Treas. Theodore Fohl, Orafino, Idaho

Coal mining institute of America
Sec. H. D. Mason, jr., Chamber of Commerce Bldg., Pittsburgh, Pa.
Annual meeting, Pittsburgh, Dec. 3-5, '24

Colloid symposium
2d national symposium, Evanston, Ill., June 18-21, '24

Commercial associations
A list of various commercial associations is published each month in Nation's Business

Common brick manufacturers' association of America
Sec. Ralph P. Stoddard, Cleveland Discount Bldg., Cleveland
Annual convention, Chicago, Feb. 9-14, '25

Compressed air society
Sec. C. H. Rohrbach, 90 West St., New York

Compressed gas manufacturers' association
Sec. John H. Hayes, 120 W. 42d St., New York
Annual meeting, New York, Jan. 21, '24

Concrete products association
Sec. J. E. Montgomery, Monadnock Bldg., Chicago

Conference of state sanitary engineers
Sec.-Treas. Theodore Horton, New York State Dept. of Health, Albany

Conference on highway engineering and highway transport education
Sec. Walter C. John, 127 Kentucky Ave., S.E., Washington, D.C.

Cooperative league of the United States of America
Sec. John F. McNamee, 2112 E. 46th St., Cleveland

Cooperative society of America
Sec. George H. Wilkins, 130 N. Wells St., Chicago

Copper and brass research association
Sec. George A. Sloan, 25 Broadway, New York
Annual meeting, New York, Nov. 6, '24

Cost association of the paper industry
Sec. T. J. Burke, 18 E. 41st St., New York
Annual meeting, New York, Dec. 8-10, '24

Custer battlefield highway association
Sec. W. D. Fisher, Sheridan, Wyoming

Direct mail advertising association
Sec. Frank L. Pierce, 2842 W. Grand Blvd., Detroit
Annual convention, Pittsburgh, Oct. 29-31, '24

Dixie highway association
Sec. Miss M. B. Roberts, 302 First National Bank Bldg., Chattanooga, Tenn.

Drop forge supply association
Sec. 300 Chestnut St., Philadelphia

Eastern railroad association
Sec. E. N. Bessling, 614 F St., N.W., Washington, D.C.
Annual meeting, New York, May 24, '25

Electric associations
A complete directory of electrical associations with convention dates and secretaries is published in the first issue of each volume of the Electrical World in January and July

Electric power club
Sec. J. M. Barr, c/o Louis Allis Co., 30 Church St., New York
Semi-annual meeting, White Sulphur Springs, W. Va., Oct. 20-23, '24
Annual meeting, Hot Springs, Va., May, '25

Electric steel founders' research group
Director. R. A. Bull, 639 Diversey Parkway, Chicago

Electrical manufacturers' club
Sec. Sanford B. Belden, Jeffrey Mfg. Co., Columbus, O.
Annual convention, Hot Springs, Va., May '24

Electrical manufacturers' council
Sec. Frederick Nicholas, 30 E. 42d. St., New York
Meeting, Cleveland, Sept. 19, '24

Electrical safety conference
Sec. R. B. Shepard, 109 Leonard St., New York
Conference, New York, Jan. 21, '25

Electrical supply jobbers' association
Sec. Franklin Overbaugh, 411 S. Clinton St., Chicago
Annual convention, Cleveland, Nov. 19-21, '24

Engineering advertisers' association
Sec. N. C. Tompkins, c/o Creamery Package Manufacturing Co., 61 W. Kinze St., Chicago

Engineering foundation
Sec. Alfred D. Flinn, 29 W. 39th St., New York

Engineering institute of Canada (formerly Canadian society of civil engineers)
Sec. Fraser S. Keith, 176 Mansfield St., Montreal
Annual meeting, Montreal, Jan. 27-29, '25

Engineering society of western Pennsylvania
Sec. Kenneth F. Treschow, 568 Union Arcade Bldg., Pittsburgh, Pa.

Engineers' club of Philadelphia
Sec. H. F. Hopkins, 1317 Spruce St., Philadelphia

Export publishers' association
Sec. R. M. Dodson, Editor of Pacific Ports, Central Bldg., Seattle, Wash.

Exposition of invention
Sec. E. W. Bartlett, 47 W. 34th St., New York '24
Exposition, Engineering Societies Bldg., New York, Dec. 8-13, '24

Eye sight conservation council of America, Inc.
Director. Guy A. Henry, Times Bldg., New York

Federated American engineering societies
Now the American engineering council

Federated engineers' development corporation
Sec. 154 Ogden Ave., Jersey City, N.J.

Financial advertisers' association
Sec. Lloyd L. Coon, 135 W. Washington St., Chicago
Midwinter conference, New York, Feb. 14-15, '24
Annual convention, London, England, July 14-20, '24
Annual meeting, Richmond, Va., Oct. 13-16, '24

Franklin institute
Acting Sec. George A. Hoadley, Franklin Institute, Philadelphia
Centenary celebration, Philadelphia, Sept. 17-19, '24

Gas associations
A list of the principal gas associations, with officers and place and date of annual meeting, is published occasionally in the Gas Age

Gas products association
Sec. Chester T. Price, 140 S. Dearborn St., Chicago
Annual meeting, Atlantic City, N.J., June 10-12, '24

Geological society of America
Sec. Edmund O. Hovey, American Museum of Natural History, New York
Annual meeting, Ithaca, N.Y., Dec. 29, '24

Governmental research conference
Sec. Dr. L. D. Upson, 542 Griswold St., Detroit, Mich.

Great Lakes protective association
Sec. George A. Marr, Rockefeller Bldg., Cleveland, O.

Heating and piping contractors' national association
Sec. Henry B. Gombers, 50 Union Square, New York

Highway industries exhibitors' association
Sec. Fred C. Hudson, 37 W. Van Buren St., Chicago
Good roads show, Chicago, Jan. 5-9, '25

Hollow building tile association
Sec. J. S. Sleeper, 111 W. Washington St., Chicago

Hydraulic society
Sec. C. H. Rohrbach, 90 West St., New York

Ice and refrigeration societies
Notices of national and state associations are published each month in Refrigerating World

Illuminating engineering society
Sec. Norman D. MacDonald, Electrical Testing Co., 80th St. and East End Ave., New York
Annual meeting, Briarcliff Manor, N.Y., Oct. 27-31, '24

Industrial cost association
Sec. c/o General Electric Co., West Lynn, Mass.

Industrial gas association of New England
Sec.-Treas. J. H. Summer, Cambridge Gas Light Co., Cambridge, Mass.
Annual meeting, Cambridge, June 27, '24

Industrial relations association of America (formerly National association of employment managers)
The work of this association has been taken over by the American management association

Institute for government research
Sec. 26 Jackson Place, Washington, D.C.
An association of citizens for cooperating with public officials in the scientific study of government

Institute of American meat packers
Sec. Robert G. Gould, Old Colony Bldg., Chicago
Annual convention, Chicago, Oct. 20-23, '24

Institute of economics
Pres. Robert S. Brookings, 16th and R Sts., N.W., Washington, D.C.

Institute of paint and varnish research
Sec. G. B. Heckel, 509 The Bourse, Philadelphia

Institute of radio engineers
Sec. A. N. Goldsmith, College of the City of New York, New York

International association of electragists
Now the Association of electragists international

International association of fire engineers
Sec. James T. Mulcahey, 197 Buena Vista Ave., Yonkers, N.Y.

International association of master house painters
Sec. A. H. McGhan, 1515 11th St., N.W., Washington, D.C.
Annual convention, Des Moines, Ia., Feb. 3-6, '25

International association of municipal electricians
Sec. William Arbuckle, 99 W. 41st St., Bayonne, N.J.
Annual convention, Atlanta, Ga., Oct. 14-17, '24
Annual convention, Detroit, Oct. '25

International association of printing house craftsmen
Sec. Louis M. Augustine, 38 White Ave., Hamilton, Ind.
Annual convention and Graphic arts exposition, Milwaukee, Aug. 18-24, '24

International association of street sanitation officials
Sec. A. M. Anderson, 10 S. LaSalle St., Chicago
Annual conference, Chicago, Jan. 5-6, '24

International bureau of weights and measures
Director. Charles E. Guillaume, St. Cloud, Seine-et-Oise, France

International chamber of commerce
Sec. Dr. Edward Dolleans (temporary sec.) University of Dijon, Dijon, France
Sec., American section, Lacey C. Zapf, Chamber of Commerce Bldg., Washington, D.C.
3rd congress, Brussels, June 21-28, '25

International commission on illumination
Asst. Sec. J. W. T. Walsh, National Physical Laboratory, Teddington, Eng.
Pres. National committee, Clayton H. Sharp, 80th St. and East End Ave., New York
Meeting, United States, '27
Meetings are held every three years

International conference on large high tension electric systems
Sec.-General. J. Tribot Laspière, 25 Boulevard Malesherbes, Paris
3rd conference, Paris, June, '25

International congress of architects
Sec. of the American section, George Oakley Totten, jr., 808 17th St., N.W., Washington, D.C.

International congress of master printers
Sec. Bruno Zachrisson, Gothenburg, Sweden

International electric protective association
Sec.-Treas. F. F. Rowell, c/o Holmes Electric Protective Co., 26 Cortlandt St., New York

International electrochemical commission
General Sec. C. le Maistre, 28 Victoria St., Westminster, London, S.W.
International body representing national electrical societies contributing to its support

International garden cities and town planning association
International conference, Gothenburg, Sweden, July 27-Aug. 12, '23

International institute of refrigeration
Sec. J. Raymond, Weavers' Hall, 22 Basinghall St., London, E.C.2
4th International congress of refrigerating engineers, Ministry of Labor, London, Whitehall, June 16-21, '24

International mining convention
Exec.-Chairman. Henry M. Parks, Director, Oregon Bureau of Mines and Geology, Oregon Bldg., Portland, Ore.

International motor transport congress
See the National automobile chamber of commerce

International railway congress association
Sec. L. Weissenbruch, 11 Rue de Louvain, Brussels, Belgium
Congress, London, June 22-27, '25

International railway fuel association
Sec. J. B. Hutchison, 6000 Michigan Ave., Chicago
Annual convention, Chicago, May 26-29, '25

International street and interurban railway and bus association
Sec. Dr. Arthur Ertel, Favoritenstrasse 9, Vienna
Congress, Paris, June 16-22, '24

International typographical union
Sec. J. W. Hays, 640-50 Newton Claypool Bldg., Indianapolis

International union of pure and applied chemistry
Sec. American delegation, Edward W. Washburn, University of Illinois, Urbana, Ill.
Meeting, United States, 1926

International union of steam and operating engineers
Sec. Dave Evans, 6334 Yale Ave., Chicago
Biennial convention, Detroit, Mich., Sept. 8-13, '24

Inventors' league of the United States
Sec. George W. Whigelt, 114 Maiden Lane, New York

Investment bankers' association of America
Sec. Frederick R. Fenton, 38 S. Dearborn St., Chicago
Annual convention, Cleveland, Sept. 22-24, '24

Lake carriers' association
Sec.-Treas. George A. Marr, Rockefeller Bldg., Cleveland, O.

League of the Southwest
Sec. F. E. Weymouth, U.S. Reclamation Service, Denver, Colo.
An organization for studying the problems connected with the development of the Colorado river

Lighting fixture dealers' society of America
Sec. J. L. Wolf, Electrical League, Hotel Statler, Cleveland
Annual convention, Chicago, Jan. 21-26, '24

Linseed oil association
Sec. George Fortmyer, National Lead Co., 111 Broadway, New York

Management congress
1st International congress, Prague, Czechoslovakia, July 21-24, '24

Manufacturers' aircraft association
Sec. Chance M. Vought, c/o Lewis and Vought Corporation, Long Island City, N.Y.
Meeting, New York, July '24
The collecting and disseminating of information regarding aeronautical activities and the publishing of the Aircraft Year Book, formerly duties of this association, have been taken over by the Aeronautical chamber of commerce of America. The Manufacturers' aircraft association will continue to handle the administration of the cross license agreements covering airplane patents

Manufacturing chemists' association of the United States
Sec. John I. Tierney, Woodward Building, Washington, D.C.
Annual meeting, New York, June 4, '24

Marine equipment association of America
Now the American marine association

Master boiler makers' association
Sec. H. D. Vought, 26 Cortlandt St., New York
Annual convention, Chicago, May 19-22, '25

Mathematical association of America
Sec. W. D. Cairns, Oberlin College, Oberlin, Ohio

Mineralogical society of America
Sec. H. P. Whitlock, American Museum of Natural History, New York

Mining and metallurgical society of America
Sec. Donald M. Liddell, 2 Rector St., New York

Motor bus associations
A list of national and local associations together with the names and addresses of secretaries and dates of conventions is published each month in Bus Transportation

National academy of sciences
Sec. David White, Geological Survey, 18th and F St., N.W., Washington, D.C.
Annual meeting, Washington, D.C. April 28-30, '24

National advertising commission
Sec. Charles F. Hatfield, Commercial Bldg., St. Louis
Annual meeting, Chicago, Oct. 16, '24

National advisory committee for aeronautics
Sec. Dr. David W. Taylor, Navy Bldg., 17th and B Sts., N.W. Washington, D.C.
Semi-annual meeting, Washington, D.C., April 24, '24

National aeronautic association of the United States of America, inc.
Sec. Howard F. Wehrle, 503 Railway Exchange Bldg., Kansas City, Mo.
Annual convention, Dayton, O., Oct. 2-4, '24
This association is an amalgamation of the Aero club of America and the National air association

National air association
This association, together with the Aero club of America, has been amalgamated into the National aeronautic association of the United States of America

National amateur wireless association
Sec. H. L. Welker, 326 Broadway, New York

National association of brass manufacturers
Sec. W. M. Webster, City Hall Square Bldg., Room 1813, Chicago
Summer meeting, Mt. Clemens, Mich., June 12-13, '24
Annual meeting, New York, Dec. 9-11, '24

National association of builders' exchanges
Sec. Earl F. Stokes, 15 E. Fayette St., Baltimore
Annual convention, Los Angeles, Calif., Feb. 23-26, '25

National association of commercial organization secretaries
Sec.-Treas. A. C. Snell, Jacksonville, Fla.
Annual convention, Washington, D.C., Oct. 20-22, '24

National association of corporation training
The work of this association has been taken over by the American management association

National association of cost accountants
Sec. Stuart C. McLeod, 130 W. 42d St., New York
Annual convention, Springfield, Mass., Sept. 22-25, '24

National association of cotton manufacturers
Sec. H. C. Meserve, 45 Milk St., Boston
Annual convention, Boston, April 30-May 1, '24
Semi-annual meeting, Boston, Nov. 12-13, '24

National association of credit men
Sec.-Treas. J. H. Tregoe, 41 Park Row, New York
Annual convention, Buffalo, June 10-13, '24

National association of electrical contractors and dealers
Now the Association of electragists international

National association of electrical inspectors
Exec.-Sec. T. H. Day, 59 Deerfield Ave., Hartford, Conn.

National association of engine and boat manufacturers, inc.
Sec. Ira Hand, 29 W. 39th St., New York
Annual meeting, New York, Jan. 4-12, '24

National association of farm equipment manufacturers
Sec. H. J. Sameit, 608 S. Dearborn St., Chicago
Annual convention, Chicago, Oct. 22-24, '24

National association of ice industries
Sec. Leslie C. Smith, 163 W. Washington St., Chicago
Annual convention, Chicago, Oct. 28-31, '24

National association of leather belting manufacturers of the United States
Sec. George H. Blake, P. O. Box 859, City Hall Station, New York
Annual meeting, New York, Nov. '24

National association of manufacturers of the United States of America
Sec. George S. Boudinot, 50 Church St., New York
Annual convention, New York, May 19-21, '24

National association of master plumbers
Sec. E. B. Kleine, 329 Ludlow Ave., Cincinnati, O.
Annual convention, West Baden, Ind., June 24-26, '24

National association of music merchants
Sec. Matt J. Kennedy, 532 Republic Bldg., 209 S. State St., Chicago
Annual convention, New York, May 18-24, '24

National association of office managers
Sec. G. S. Childs, Alexander Hamilton Institute, Astor Place, New York
Annual conference, Niagara Falls, Ontario, June 12-14, '24

National association of practical refrigerating engineers
Sec. Edward H. Fox, 5707 West Lake St., Chicago
Annual convention, New Orleans, La., Nov. 11-14, '24

National association of purchasing agents
Sec. W. L. Chandler, 19 Park Place, New York
Annual convention, Boston, May 20-23, '24

National association of railroad tie producers
Sec. John S. Penney, 924 Syndicate Trust Bldg., St. Louis
Annual meeting, St. Louis, Feb. 5-6, '25

National association of railway and utilities commissioners
Sec. James B. Walker, 49 Lafayette St., New York
Annual convention, Washington, D.C., Nov. 10-13, '25

National association of sales managers
Now merged with the American management association

National association of sheet metal contractors
Sec. Edwin L. Seabrook, 261 S. Fourth St., Philadelphia
Annual convention, Washington, D.C., June 17-20, '24

National association of stationary engineers
Sec. Frederick W. Raven, 417 S. Dearborn St., Chicago
Annual convention, St. Paul, Sept. 25, '24
Annual convention, Chicago, Aug. 31-Sept. 4, '25

National association of trade association executives (formerly American trade executives association)
Sec.-Treas. Herbert P. Sheets, Secretary, National Retail Hardware Association, Argos, Ind.
Annual convention, Briarcliff Manor, N.Y., Oct. 22-24, '24

National automobile chamber of commerce
Gen. Mgr. Alfred Reeves, 366 Madison Ave., New York
Semi-annual convention, New York, Mar. 6, '24
International motor transport congress, Detroit, May 19, '24

National automobile dealers' association
Sec.-Manager. C. A. Vane, 320 N. Grand Ave., St. Louis, Mo.
Convention, New York, Jan. 5, '25
Convention, Chicago, Jan. 26-29, '25

National board of boiler and pressure vessel inspectors
Sec. C. O. Myers, 502 Comstock Bldg., Columbus, O.
Annual meeting, Cleveland, May 26-29, '24

National boll weevil control association
Organization meeting, New Orleans, Nov. 17, '23

National brick manufacturers' association
Sec. Theo. E. Randall, 211 Hudson St., Indianapolis
Annual meeting, Washington, D.C., Jan. 26-31, '25

National bureau of economic research, Inc.
Sec. Oswald W. Knauth, 175 Ninth Ave., New York

National cinder concrete products association
Sec. J. Edwin Rutter, Cameron and Reilly Sts., Harrisburg, Pa.
Annual convention, Philadelphia, Mar. 7, '24

National civic federation
Sec. D. L. Tease, 1 Madison Ave., New York

National clay products industries association
Sec. H. A. Jung, 111 W. Washington St., Chicago
Annual meeting, Chicago, April 25, '24

National coal association
Exec.-Sec. Harry L. Gandy, Southern Bldg., Washington, D.C.
Annual meeting, Cincinnati, O., May 14-16 '24

National concrete stave silo association
Sec. W. G. Kaiser, 111 W. Washington St., Chicago
Annual meeting, Chicago, Dec., '24

National conference of business paper editors
Sec.-Treas. A. G. Oehler, c/o Railway Electrical Engineer, 30 Church St., New York
Annual convention, New York, Oct. 27-29, '24

National conference on city planning
Sec. Flavel Shurtleff, 130 E. 22d St., New York
Annual conference, Los Angeles, April 7-10, '24

National conference on highway traffic regulations
Sec.-Treas. D. R. Faries, Automobile Club of Southern California, 1344 South Figueroa St., Los Angeles

National conference on pharmaceutical research
Annual meeting, Buffalo, August 23, '24

National conference on state parks
Sec. Edgar S. Harlan, Des Moines, Ia.

National container association
Sec.-Treas. B. C. Tamlin, Room 638, Transportation Bldg., Chicago

National cooperative convention
See the Cooperative league of the United States of America

National council of American importers and traders
Sec. Franklin Van Leer, jr., 45 E. 17th St., New York

National council of lighting fixture manufacturers
Sec. Charles H. Hofrichter, 231-233 Gordon Square Bldg., Cleveland
Annual convention, Chicago, Jan. 22-26, '24

National crushed stone association
Sec. A. P. Sandles, 405 Hartman Bldg., Columbus, Ohio
Annual convention, St. Louis, Jan. 21-24, '24

National district heating association
Sec. D. L. Gaskill, 112 W. 42d St., Greenville, O.
Annual convention, New York, June 10-12, '24

National drainage congress of America
Sec. C. R. Thomas, 1163 Monadnock Bldg., Chicago

National editorial association
Sec. H. C. Hotaling, 709 Exchange Bank Bldg., St. Paul, Minn.

National electric light association
Exec.-Manager. M. H. Aylesworth, 29 W. 39th St., New York
Annual convention, San Francisco, June 15-20, '25

National electrical credit association
Sec. Frederick P. Vose, 1347 Marquette Bldg., Chicago

National federation of construction industries
Sec. John C. Frazee, Drexel Bldg., Philadelphia

National federation of export managers
Chairman. Oren D. Gallup, Simonds Mfg. Co., Fitchburg, Mass.

National fertilizer association
Sec. John D. Toll, 1010 Arch St., Philadelphia
Annual convention, Asheville, N.C., June 9, '24

National fire protective association
Sec. Franklin H. Wentworth, 40 Central St., Boston, Mass.
Sec., Electrical committee, Ralph Sweetland, 141 Milk St., Boston

National foreign trade council
Sec. O. K. Davis, India House, 1 Hanover Sq., New York
Annual convention, Seattle, Wash., June 24-26, '25

National founders' association
Sec. J. M. Taylor, 29 S. LaSalle St., Chicago
Annual convention, New York, Nov. 19-20, '24

National hardware association of the United States
Sec. 505 Arch St., Philadelphia
Annual convention, Atlantic City, Oct. 15-17, '24

National highway traffic association
Sec. Elmer Thompson, Automobile Club of America, 247 W. 54th St., New York
Annual meeting, New York, Dec. 2, '24

National housing association
Sec. Lawrence Veiller, 105 E. 22d St., New York

National implement and vehicle association
Sec. Henry J. Sameit, 608 S. Dearborn St., Chicago

National industrial advertisers' association
Sec. J. R. Hopkins, Chicago Belting Co., 125 N. Green St., Chicago
Annual meeting, Chicago, Oct. 13-14, '24
Annual convention, Houston, Texas, Oct. '25

National industrial conference board
Sec. 247 Park Ave., New York

National industrial council
Sec.-Treas. Earl Constantine, 50 Church St., New York

National industrial traffic league
Sec. J. H. Beck, 111 W. Washington St., Chicago
Annual meeting, New York, Nov. 19-20, '24

National lime association
Sec. (Acting Sec.) Burton A. Ford, Mather Bldg., 918 G St., N.W., Washington, D.C.
Annual convention, White Sulphur Springs, W. Va., May 20-23, '24

National lumber manufacturers' association
Sec. Wilson Compton, 904 International Bldg., Washington, D.C.
Annual meeting, Chicago, March '24

National machine-tool builders' association
Sec. Ernest F. DuBrul, 81 Provident Bank Bldg., Cincinnati
Spring convention, Buffalo, N.Y., April 22-24, '24
Annual meeting, Lenox, Mass., Oct. 8-10, '24

National management week
Sec. Committee on arrangements, Ernest F. Hartford, 29 W. 39th St., New York
Simultaneous meetings to be held in sixty-five cities in the U.S. and Canada, Oct. 20-25, '24

National merchant marine association
Sec. Munsey Bldg., Washington, D.C.

National metal trades association
Sec. Louis W. Fischer, People's Gas Bldg., Chicago

National motor transport association
Sec. E. B. Burritt, 250 W. 57th St., New York

National motorists association
Now the New American automobile association

National municipal league
Sec. Harold W. Dodds, 261 Broadway, New York
Annual meeting, Harvard University, Cambridge, Mass., Nov. 10-18, '24

National museum of engineering and industry
Sec. H. F. J. Porter, 67 W. 12th St., New York

National paint, oil and varnish association
Sec. George F. Horgan, 18 E. 41st St., New York
Annual convention, Atlantic City, Oct. 20-22, '24

National paper trade association of the United States
Sec. William Ridgeway, 41 Park Row, New York
Meeting, New York, April 24, '24
Fall meeting, Chicago, Oct. 6-11, '24

National paving brick manufacturers' association
Sec. Edward E. Duff, jr., Engineers Bldg., Cleveland
Annual convention, St. Louis, Jan. 21-23, '25

National personnel association
Now the American management association

National petroleum association
Sec. C. D. Chamberlain, 823 Guardian Bldg., Cleveland
Semi-annual convention, Cambridge Springs, Pa., April 23, '24
Annual meeting, Atlantic City, Sept. 17-19, '24

National petroleum marketers association
Sec. M. W. Rugg, 76 N. Monroe St., Chicago

National pipe and supplies association
Sec.-Treas. George D. McIlvaine, 908 Oliver Bldg., Pittsburgh
Annual convention, Cleveland, May 13-14, '24

National publishers' association
Sec. F. L. Wurzburg, Nast Publications, 19 W. 44th St., New York
Annual meeting, Briarcliff Lodge, New York, Oct. 8-9, '24

National radio chamber of commerce
Sec. 165 Broadway, New York

National radio conference
3d annual conference, Washington, D.C., Oct. 6-10, '24

National research council
Sec. Vernon Kellogg, 1701 Massachusetts Ave., N.W., Washington, D.C.
Annual meeting of the Advisory Board on Highway Research, Washington, D.C., Dec. 4-5, '24

National rivers and harbors congress
Sec. S. A. Thompson, 824 Colorado Bldg., Washington, D.C.
Annual convention, Washington, D.C., Dec. 10-11, '24

National safety council
Sec. W. H. Cameron, 106 N. Michigan Ave., Chicago
Annual safety congress, Louisville, Ky., Sept. 29-Oct. 3, '24

National sand and gravel producers' association
Sec. T. R. Borrows, 903 Munsey Bldg., Washington, D.C.
Annual meeting, St. Louis, Jan. 22-23, '24

National slag association
Sec.-Treas. H. J. Love, 933 Leader-News Bldg., Cleveland
Annual meeting, Cleveland, Jan. '24

National slate association
Sec. W. S. Hays, Drexel Bldg., Philadelphia
Annual convention, New York, Jan. 19-20, '25

National society for vocational education
Sec. Miss Clothilda Ware, 140 W. 42d St., New York

National standard parts association
Sec. S. D. Callaway, Turner Mfg. Co., Kansas City, Mo.
Organization meeting, Detroit, Mich., May '24

National steel fabricators' association
Now the American institute of steel construction

National supply and machinery dealers' association
Sec.-Treas. George Fernley, 505 Arch St., Philadelphia

National terra cotta society
Sec. F. S. Lawrence, 19 W. 44th St., New York

National tire dealers' association
Pres. George J. Burger, 242 W. 56th St., New York
Annual convention, Akron, O., Nov. 18-20, '24
Annual convention, St. Louis, Nov. '25

National trade extension bureau
Sec.-Manager. William J. Wooley, Mercantile Bank Bldg., Evansville, Ind.
Annual meeting, Board of directors, Evansville, Ind., Feb. 22, '24
Advertising and sales managers' conference, Evansville, Ind., Nov. 5-7, '24

National transportation institute
Sec. C. B. Hutchings, 30 N. LaSalle St., Chicago

National varnish manufacturers' association
Sec.-Treas. George B. Heckel, 509 The Bourse, Philadelphia
Annual convention, Atlantic City, Oct. 16, '24

National warm-air heating and ventilating association
Sec. Allen W. Williams, Columbia Bldg., Columbus, O.
Annual meeting, Cleveland, April 16-17, '24

National wholesale druggists' association
Sec. Charles H. Waterbury, 51 Maiden Lane, New York
Annual convention, Atlantic City, Sept. 22-25, '24

National wholesale dry goods association
Sec. 505 Arch St., Philadelphia
Annual convention, New York, Jan. 20, '25

National wood chemical association
Sec.-Treas. F. J. Goodfellow, 76 Main St., Bradford, Pa.
Annual convention, Buffalo, Sept. 17, '24

Natural gas association of America
Sec.-Treas. William B. Way, 904-5 Oliver Bldg., Pittsburgh, Pa.
Annual meeting, Cleveland, May 19, '24

New American automobile association
Exec.-Sec. Fred H. Caley, Cleveland
Organization meeting, New Orleans, Feb. '24
This society is a consolidation of the American automobile association and the National motorists association

New England foundrymen's association
Sec. Fred S. Stockwell, Barbour-Stockwell Co., Cambridge, Mass.
Annual meeting, Boston, Jan. 9, '24

New England road builders' association
Sec. Frederick Hoitt, 68 Devonshire St., Boston

New England waterworks association
Sec. Frank J. Gifford, Supt. Water Works, Dedham, Mass.
Annual convention, Buffalo, N.Y., Sept. 23-26, '24

North Central electric association
Sec. H. E. Young, 15 S. Fifth St., Minneapolis, Minn.
Annual convention, Winona, Minn., June 11-13, '24

Optical society of America
Sec. F. K. Richtmyer, Cornell University, Ithaca, N.Y.
Annual meeting, Boston, Oct. 23-25, '24

Pacific logging congress
Sec.-Treas. George M. Cornwall, Portland, Ore.

Paint manufacturers' association of the United States
Sec.-Treas. George B. Heckel, 509 The Bourse, Philadelphia
Annual convention, Atlantic City, Oct. 17-18, '24

Pan American chamber of commerce
Pres. Julio F. Sorzano, 42 Broadway, New York

Pan American highway mission
Congress, Washington, D.C., June '24

Pan-American scientific congress
Chairman. Dr. Leo S. Rowe, Pan American Union, 17th and B Sts., Washington, D.C.
3rd Congress, Lima, Peru, Dec. 20, '24-Jan. 5, '25

Paper trade associations.
Report of the annual meetings and lists of officers for the coming year of the various associations connected with the paper trade are to be found in the April 10 issue of Paper Trade Journal and the April 17 issue of Paper

Periodical publishers' association of America
Exec.-Sec. A. C. G. Hammesfahr, 119 W. 40th St., New York
Annual meeting, N.Y., Oct. 23, '24

Personnel research federation
Sec. Alfred D. Flinn, 29 W. 39th St., New York
This society will collect research information and coordinate the research activities of about 250 organizations

Plumbers' associations
A list of the various state associations, with convention dates, will be found in the weekly numbers of Domestic Engineering

Port of New York authority
Sec. William Leary, 11 Broadway, New York

Portland cement association
Gen. Manager. William M. Kinney, 111 W. Washington St., Chicago
Annual meeting, Chicago, Nov. 17-19, '24

Poster advertising association, inc.
Sec. W. W. Bell, 307 S. Greene St., Chicago
Annual convention, Kansas City, Mo., Oct. 20-24, '24
Annual convention, Dallas, Tex., Oct. '25

Power show
3rd national exposition of power and mechanical engineering, Grand Central Palace, New York, Dec. 1-6, '24

Pressed metal association
Sec. Illuminating Bldg., Cleveland, O.

Public ownership league of America
Sec. Carl D. Thompson, 127 N. Dearborn St., Chicago

Public utilities advertising association
Sec. Charles W. Person, 820 Electric Bldg., Portland, Ore.
Annual meeting, London, England, July 14-20, '24

Radio club of America
Sec. 22 Park Place, New York

Radio research association
Sec. B. Hoffman, 233 S. Third St., Brooklyn, N.Y.

Railway and locomotive historical association
Sec. R. W. Carlson, Escanaba, Mich.

Railway associations
A complete list of the various divisions and sections of the American railway association, and also of all the other important railway associations, with convention dates and secretaries, is to be found in the first number of each month of the Railway Age

Railway business association
Sec. Frank B. Noxon, 600 Liberty Bldg., Broad and Chestnut Sts., Philadelphia
Annual meeting, New York, Nov. 8, '24

Railway development association of the Southeast
Sec. H. S. McLendon, St. Augustine, Fla.

Railway equipment manufacturers' association
Sec. Joseph Sinkler, Pilot Packing Co., People's Gas Bldg., Chicago
Annual meeting, Chicago, Sept. 17-20, '24

Refractories manufacturers' association
Sec. F. W. Donahoe, 840 Oliver Bldg., Pittsburgh
Meeting, St. Louis, March 19, '24

Rice leaders of the world association
Pres. Ellwood Rice, 225 Fifth Ave., New York

Rocky Mountain petroleum association
Sec. 206 Customhouse, Denver, Colo.

Rubber association of America, inc.
Sec. A. L. Viles, 250 W. 57th St., New York
Annual meeting, New York, Jan. '24

Safety institute of America
Sec. L. V. Coleman, 141 E. 29th St., New York

Sand-lime brick association
Sec. J. Morley Zander, Jackson Church Co., Saginaw, Mich.
Annual convention, Buffalo, Feb 5-6, '24

Science service, inc.
Director. Edwin E. Slosson, 1115 Connecticut Ave., N.W., Washington, D.C.
An institution, comprised of the National academy of sciences, the American association for the advancement of science, and the National research council "for increasing the intelligence of the people in science by means of the journalistic press"

Silk association of America
Sec. Ramsay Peugnet, 354 Fourth Ave., New York
Annual dinner, New York, Jan. 10, '25

Smoke prevention association
Sec. Frank A. Chambers, 111 N. Dearborn St., Chicago
Annual convention, Buffalo, N.Y. June 3-5, '24

Society for electrical development, inc.
Sec.-Treas. J. Smieton, jr., 522 Fifth Ave., New York
Annual meeting, New York, Feb. 10, '25

Society for the prevention of accidents, inc.
Sec. Charles F. Hammond, 231 W. 69th St., New York

Society for the promotion of engineering education
Sec. Dean L. Bishop. University of Pittsburgh, Pittsburgh, Pa.
Annual convention, Boulder, Colo., June 25-26, '24

Society of American military engineers
Sec. Mills Building, Washington, D.C.

Society of automotive engineers
Sec. Coker F. Clarkson, 29 W. 39th St., New York
Semi-annual meeting, Spring Lake, N.J., June 24-27, '24
Transportation meeting, New York, Sept. 24-25, '24
Aeronautic meeting, Dayton, O., Oct. 3, '24
Production meeting, Detroit, Oct. 21-24, '24
Service engineering meeting, Cleveland, Nov. 18-19, '24
Annual meeting, Detroit, Jan. 20-23, '25

Society of chemical industry
Sec. American section, Allen Rogers, Pratt Institute, Brooklyn, N.Y.

Society of economic geologists
Sec.-Treas. Sydney H. Ball, 42 Broadway, New York
Semi-annual meeting, New York, May 23, '24
Annual meeting, Ithaca, N.Y., Dec. 29-31, '24

Society of gas lighting
Sec. George B. Ramsdell, 128 E. 15th St., New York

Society of harbor engineers
Sec. (temp. sec.) J. H. Leonard, 25 Church St., New York

Society of industrial engineers
Sec. George C. Dent, 608 S. Dearborn St., Chicago
Annual meeting, Chicago, Nov. 18, '24
Annual convention, Cleveland, May 6-8, '25

Society of naval architects and marine engineers
Sec.-Treas. Daniel H. Cox, 29 W. 39th St., New York
Annual meeting, New York, Nov. 13-14, '24

Society of terminal engineers
Sec. Charles H. Newman, 36 Warren St., New York
Annual meeting, New York, Nov. 11, '24

Southeastern water and light association (formerly Tri-state water and light association)
Sec.-Treas. W. F. Stieglitz, Columbia, S.C.
Annual convention, Atlanta, Ga., April 15-17, '24

Southern Appalachian water power conference
Sec. J. A. Switzer, R. F. D. 2, Knoxville, Tenn.
Meeting, Chattanooga, Tenn., March 26, '24

Southern gas association
Sec.-Treas. W. P. Connolly, Charleston, S.C.
Annual convention, Augusta, Ga., April 22-24, '24

Southern metal trades association
Sec. William E. Dunn, jr., Atlanta, Ga.
Annual convention, New Orleans, Feb. 26-27, '24

Southern newspaper publishers' association
Sec.-Treas. W. S. Johnson, Chattanooga News, Chattanooga, Tenn.

Southern pine association
Sec.-Mgr. Interstate Bank Bldg., New Orleans
Annual meeting, New Orleans, March '24

Southern supply and machinery dealers' association
Sec.-Treas. Alvin M. Smith, Smith-Courtney Co., Richmond, Va.

Southern textile association
Sec. A. B. Carter, Gastonia, N.C.
Annual meeting, Blowing Rock, N.C., June 13-14, '24
Southern textile exposition, Greenville, S.C., Oct. 20-25, '24

Southwest waterworks association
Sec.-Treas. R. D. Morgan, Mexia, Texas
Annual meeting, Tulsa, Okla., Oct. 6-9, '24

Southwestern electrical and gas association
Now the Southwestern public service association

Southwestern public service association (formerly Southwestern electrical and gas association)
Sec. E. N. Willis, 403 Slaughter Bldg., Dallas, Texas
Annual meeting, Houston, Texas, May 19-22, '25

Southwestern society of engineers
Sec. C. E. Barlebaugh, 721 First National Bank Bldg., El Paso, Texas

State boards of engineering examiners
Sec.-Treas. P. H. Daggett, Chapel Hill, N.C.

Stoker manufacturers' association
Sec. William V. McAllister, 2909 Fischer St., Detroit
Annual meeting, Chicago, June 2-4, '24
Fall meeting, Absecon, N.J., Oct. 28-30, '24

Synthetic organic chemical manufacturers' association of the United States
Pres. Chas. H. Herty, 1 Madison Ave., New York
Summer meeting, Bellport, L.I., June 19-21, '24

Tap and die institute
Sec. Herbert S. Blake, 116 W. 32d St., New York

Taylor society
Sec. H S. Person, 29 W. 39th St., New York
Annual meeting, New York, Dec. 4-6, '24
To promote the science and art of administration and of management

Technical association of the pulp and paper industry
Sec.-Treas. William C. MacNaughton, 18 E. 41st St., New York
Semi-annual meeting, Buffalo, N.Y., Oct. 14-15, '24
Annual meeting, New York, Feb. 2, '25

Technical photographic and microscopical society
Sec.-Treas. Alfred B. Hitchins, c/o Ansco Co., Binghamton, N.Y.
Annual meeting, New York, Nov. 13, '24

Technical publicity association
Sec. C. L. Packard, Western Electric Co., Room 1414, 100 E. 42d St., New York
Annual meeting, New York, Nov. 13, '24

Telephone pioneers of America
Sec. R. H. Starrett, 195 Broadway, New York

Textile color card association of the United States
Managing director. Miss Margaret H. Rourke, 50 E. 42d St., New York

Textile exhibitors' association
Sec. 5 Park Square, Boston

Trailer manufacturing association of America
Sec.-Treas. Henry M. Wood, Trailmobile Co., Cincinnati

United engineering society
Sec. Alfred D. Flinn, 29 W. 39th St., New York

United States good roads association
Sec. J. A. Rountree, Birmingham, Ala.

United States potters' association
Sec.-Treas. Charles F. Goodwin, East Liverpool, Ohio
Semi-annual meeting, Washington, D.C., Dec. 4-5, '24

United typothetae and Franklin clubs of America
Sec. Edward T. Miller, 608 Dearborn St., Chicago
Annual convention, Chicago, Oct. 15-18, '24

Universal craftsmen council of engineers
Sec. Thomas H. Jones, 33 Linden Ave., Cherrydale, Va.

Western association of electrical inspectors
Sec. William S. Boyd, 175 W. Jackson Blvd., Chicago
Annual convention, Louisville, Ky., Jan. 27-29, '25

Western ice manufacturers' association
Sec.-Treas. Charles K. Wood, 623 Skukert Bldg., Kansas City, Mo.
Annual convention, Kansas City, Mo., Nov. '24

Western society of engineers
Sec. Edgar S. Nethercut, 1735 Monadnock Bldg., 53 W. Jackson Blvd., Chicago
Annual meeting, Chicago, June 4, '24

World power conference and British Empire exhibition
American Sec. O. C. Merrill, Federal Power Commission, Washington, D.C.
Conference, Wembley, London, June 30-July 12, '24

List of Periodicals Indexed

Aera. Aera. $2; single numbers 35c. American Electric Railway Association, 8 W 40th St, New York.

Aeronautical J—See Roy Aeronautical Soc J

Am Arch—The American Architect and the Architectural Review. $6; single numbers 50c. Architectural & Building Press, Inc., 243 W 39th St, New York.

Am Bankers Assn J—Journal of the American Bankers Association. $3; single numbers 25c. American Bankers Association, 110 E 42d St, New York.

Am Cer Soc J—American Ceramic Society. Journal. $12; single numbers $1. American Ceramic Society, 211 Church St, Easton, Pa.

Am Chem Soc J—Journal of the American Chemical Society. $7.50. Charles L. Parsons, sec., Mills Building, 17th St and Pennsylvania Av, Washington, D.C.

Am Concrete Inst Pro—American Concrete Institute. Proceedings. American Concrete Institute, 1807 E Grand Blvd, Detroit, Mich.

Am Dyestuff Rep—American Dyestuff Reporter. $5. Howes Pub. Co., Inc., 90 William St, New York.

Am Electrochem Soc Trans—American Electrochemical Society. Transactions. $3. American Electrochemical Society, Bethlehem, Pa.
Preprints are indexed.

Am Exporter—American Exporter. $4. Johnston Export Publishing Co., 370 7th Av, New York.

Am Gas Assn—American Gas Association. Annual conventions. Proceedings. 5 sections. American Gas Association, Inc., 342 Madison Av, New York.

Am Gas J—American Gas Journal. $3; single numbers 10c. American Gas Light Journal, Inc., Dodge Bldg., 53 Park Pl, New York.
Formerly American Gas Light Journal; American Gas Engineering Journal

Am Ind—American Industries. $1; single numbers 15c. National Manufacturers Co., 50 Church St, New York.

Am Inst Arch J—Journal of the American Institute of Architects. $5; single numbers 50c. The Press of the American Institute of Architects, Inc., Fisk Bldg., 250 W 57th St, New York.

Am Inst Chem Eng Trans—American Institute of Chemical Engineers. Transactions. American Institute of Chemical Engineers, Polytechnic Institute, Brooklyn, N.Y.

Am Inst E E J—Journal of the American Institute of Electrical Engineers. $10; single numbers $1. F. L. Hutchinson, sec., 33 W. 39th St, New York.
Formerly American Institute of Electrical Engineers. Proceedings

Am J Sci—The American Journal of Science. $6; single numbers 50c. American Journal of Science, New Haven, Conn.

Am Mach—American Machinist. $5; single numbers 25c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.

Am Management R—American Management Review. $5; single numbers 50c. American Management Association, 20 Vesey St, New York.

Am Pet Inst Bul—American Petroleum Institute Bulletin. 15 West 44th St, New York.

Am Soc C E Pro—Proceedings of the American Society of Civil Engineers. $8. American Society of Civil Engineers, 33 W 39th St, New York.

Am Soc Heat & V E J—Journal of the American Society of Heating and Ventilating Engineers. $3; single numbers 35c. American Society of Heating and Ventilating Engineers, 29 W 39th St, New York.

Am Soc M E J. See Mech Eng

Am Soc T M Pro—American Society for Testing Materials. Proceedings. American Society for Testing Materials, 1315 Spruce St, Philadelphia.

Am Statis Assn J—Journal of the American Statistical Association. $5; single numbers $1.50. American Statistical Association, Columbia Univ., New York.

Am Water Works Assn J—Journal of the American Water Works Association. $7; American Water Works Assn., Mount Royal and Guilford Avenues, Baltimore, Md.

Ann Am Acad—Annals of the American Academy of Political and Social Science. $5; single numbers $2. American Academy of Political and Social Science, 39th St, & Woodland Av, Philadelphia.

Annalist—The Annalist. $5; single numbers 10c. New York Times Co., Times Square, New York.

Arch & Bldg—Architecture and Building. $3; single numbers 30c. William T. Comstock Co., 23 Warren St, New York.

Arch Forum—Architectural Forum. $6; single numbers 60c. Rogers and Manson Co., 383 Madison Av, New York.

Arch Rec—Architectural Record. $3; single numbers 35c. F. W. Dodge Corp., 115-119 W 40th St, New York.

Automobile Eng—The Automobile Engineer. 29s 9d; Canadian subs 27s 7d; single numbers 2s. Dorset House, Tudor St, London, E.C. 4.

Automotive Ind—Automotive Industries. $3; single numbers 35c. Class Journal Co., 239 W 39th St, New York.

Aviation—Aviation. $4; single numbers 10c. Gardner Pub. Co., Inc., 225 4th Av, New York.

Bankers M—Bankers Magazine. $5; single numbers 50c. Bankers Publishing Co., 71-73 Murray St, New York.

Blast F & Steel Pl—The Blast Furnace and Steel Plant. $2; single numbers 25c. Andresen Co., Inc., Thaw Bldg., 108 Smithfield St, Pittsburgh, Pa.

Bldg Age—Building Age and National Builder. $2; single numbers 35c. Building Age Publishing Corporation, 239 W 39th St, New York.

Boston Soc C E J—Journal of the Boston Society of Civil Engineers. $4 (ten numbers); single numbers 50c. Boston Society of Civil Engineers, 715 Tremont Temple, Boston.

Bradstreet's—Bradstreet's. $5; single numbers 10c. Bradstreet Co., 346-8 Broadway, New York.

Brass W—Brass World and Platers' Guide. $1; single numbers 15c. Brass World Pub. Co., 153 Waverly Pl, New York.

Brick & Clay Rec—Brick and Clay Record. $3; single numbers 25c. Industrial Publications, Inc., 407 S Dearborn St, Chicago.

Burroughs Clearing House—Burroughs Clearing House. Adding Machine Co., Detroit.

Bus Transportation—Bus Transportation. $2; single numbers 25c. McGraw-Hill Co., Inc., 10th Av, at 36th St, New York.

Can Chem & Met—Canadian Chemistry and Metallurgy. $3; single numbers 40c. Westman Press, Ltd., 57 Queen St, W, Toronto, Canada.

Can Eng—The Canadian Engineer. $3; single numbers 10c. Monetary Times Printing Co. of Canada, Ltd., 62 Church St, Toronto, Ont.

Cassier's Ind Management—Cassier's Industrial Management. 9s; single numbers 9d. Louis Cassier Co., Ltd., 34, Bedford St, Strand, London, W.C. 2.
Formerly Industrial Management

Chase Econ Bul—Chase Economic Bulletin. Chase National Bank, New York.

Chem Age—Chemical Age. $2; single numbers 25c. McCready Pub. Co., 381 4th Av, New York.

Chem Age (Lond)—The Chemical Age. 26s; single numbers 6d. Benn Brothers, Ltd., 8, Bouverie St, London, E.C. 4.

Chem & Met Eng—Chemical and Metallurgical Engineering. $4; single numbers 25c. McGraw-Hill Co., Inc., 10th Av, at 36th St, New York.

Chem R—Chemical Reviews. $5. ($4 to members of American Chemical Society) Williams & Wilkins Co., Baltimore, Md.

Chem Soc J—Journal of the Chemical Society. £3. Gurney and Jackson, 33, Paternoster Row, London, E.C. 4.

Chimie & Ind—Chimie & Industrie. 110 fr; single numbers 10 fr. Société de Chimie Industrielle, 49, rue des Mathurins, Paris, France.

Coal Age—Coal Age. $3; single numbers 20c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.

Color Tr J—Color Trade Journal and Textile Chemist. $5; single numbers 50c. Color Trade Journal, Inc., 103 Park Av, New York.

Comm & Fin—Commerce and Finance. $5; single numbers 15c. Theodore H. Price Publishing Corp., 16 Exchange Pl, New York.

Comm & Fin Chr—The Commercial & Financial Chronicle. $10; single numbers 25c. William B. Dana Co., 138 Front St, New York.

Comm M—Commerce Monthly. National Bank of Commerce, New York.

Concrete—Concrete. $3; single numbers 30c. Concrete-Cement Age Pub. Co., 1807 E Grand Blvd., Detroit, Mich.
Formerly published as Concrete-Cement Age.

Credit M—Credit Monthly. $3; single numbers 25c. National Association of Credit Men, 41 Park Row, New York.

Dom Eng—Domestic Engineering. $2; single numbers 10c. Domestic Engineering Co., 1900 Prairie Av, Chicago.

Dun's Int R—Dun's International Review. $4; single numbers 35c. R. G. Dun & Co., 290 Broadway, New York.

Dun's R—Dun's Review. $3; single numbers 10c. R. G. Dun & Co., 290 Broadway, New York.

Econ Geol—Economic Geology. $4; single numbers 65c. Economic Geology Pub. Co., Prince and Lemon Sts, Lancaster, Pa.

Econ J—Economic Journal. 1 Guinea; single numbers 6s. Royal Economic Society, 9, Adelphi Terrace, London, W.C. 2. (Macmillan & Co., 66 Fifth Av, New York.)

Econ W n s—Economic World. $5; single numbers 25c. Chronicle Co., 128 Water St, New York

Economist—Economist. £2 18s; colonies £3 1s; single numbers 1s 1d. Economist, Granville House, Arundel St, Strand, London, W.C. 2

Elec J—The Electric Journal. $2; single numbers 25c. The Electric Journal, 1205 Keenan Bldg., Pittsburgh, Pa.

Elec R (Lond)—Electrical Review. £2 1s 6d; Canadian subs £1 12s 6d; single numbers 6d. 4, Ludgate Hill, London, E.C. 4.

Elec Ry J—Electric Railway Journal. $4; single numbers 20c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.

Elec W—Electrical World. $5; single numbers 25c. McGraw-Hill Co., Inc., 10th Av at 36th St. New York.

Electrician—Electrician. 25s; single numbers 6d. Benn Bros., Ltd., 8 Bouverie St, London, E.C. 4

Elektrotech Zeit—E T Z. Elektrotechnische Zeitschrift. Julius Springer, W 9, Linkstrasse 23/24, Berlin, Germany.

Eng & Contr—Engineering and Contracting. $4; single numbers 20c. Engineering and Contracting Pub. Co., 221 E 20th St, Chicago.
Beginning with October 4 published as four rotating monthly magazines in the order following: Roads and Streets, Water Works, Railways, and Buildings. $1 a year each.

Eng & Min J—Engineering and Mining Journal-Press. $5; single numbers 25c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.
Engineering and Mining Journal consolidated with Mining and Scientific Press

Eng Educ—Engineering Education. $3 (ten numbers). Dean F. L. Bishop, University of Pittsburgh, Pittsburgh, Pa.
Title changed, September, 1924, to Journal of Engineering Education.

Eng N—Engineering News-Record. $5; single numbers 25c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.
Engineering News consolidated with Engineering Record beginning April 5, 1917.

Eng Soc W Pa—Proceedings of the Engineers' Society of Western Pennsylvania. $5; single numbers 50c. Engineers' Society of Western Pennsylvania, William Penn Hotel, Pittsburgh, Pa.

Engineer—Engineer. Thick paper ed £3 7s 6d; Canadian subs £3 3s; thin paper ed £3 3s; Canadian subs £2 18s 6d; single numbers 1s 3d. Engineer, 33, Norfolk St, Strand, London, W.C. 2

Engineering—Engineering. Thick paper ed £3 7s 6d; Canadian subs £3 3s; thin paper ed £3 3s; Canadian subs £2 18s 6d; single numbers 1s 2½d. Engineering, Ltd., 35 and 36, Bedford St, Strand, London, W.C. 2.

E T Z. See Elektrotech Zeit

Factory—Factory. $3; single numbers 25c. A. W. Shaw Co., Cass, Huron and Erie Sts, Chicago; 342 Madison Av, New York.

Fed Res Bul—Federal Reserve Bulletin. $2; single numbers 20c (to non-members). Federal Reserve Board, Washington, D.C.

Forbes—Forbes. $5; single numbers 25c. B. C. Forbes Publishing Co., 120 Fifth Av, New York.

Foundry—Foundry. $3; single numbers 25c. Penton Pub. Co., Penton Bldg, Cleveland, O.

Gas Age—Gas Age-Record. $3; single numbers 25c. Robbins Pub. Co., Inc., 52 Vanderbilt Av, New York.

Gas J (Lond)—Gas Journal. single numbers 1s. Walter King, Ltd., 11 Bolt Court, Fleet st, London, E.C. 4.

Gen Elec R—General Electric Review. $3; single numbers 30c. General Electric Co., Schenectady, N.Y.

Génie Civil—Le Génie Civil. 85 fr; single numbers 2 fr. Administration and Rédaction 6, rue de la Chaussée-d'Antin, Paris (9e), France.

Good Roads—Good Roads. $3. Hibbard-Tree Pub. Co., 53 Park Pl, New York.

Harvard Business R—Harvard Business Review. $5; single numbers $1.25. A. W. Shaw Co., Cass, Huron & Erie Sts, Chicago.

Heat & Ven—Heating and Ventilating Magazine. $2; single numbers 20c. Heating & Ventilating Magazine Co., 1123 Broadway, New York.

I B A of A—I.B.A. of A. Bulletin. Investment Bankers Association of America, 105 S. La Salle St, Chicago.

Ill U Eng Exp Sta Bul—Illinois University Engineering Experiment Station. Bulletin. Univ. of Ill., Urbana.

Ill U Eng Exp Sta Circ—Illinois University Engineering Experiment Station. Circular. Univ. of Ill., Urbana.

Illum Eng Soc—Transactions of the Illuminating Engineering Society. $7.50; single numbers $1. Illuminating Engineering Soc., 29 W 39th St, New York.

Illum Engr—Illuminating Engineer. 18s; single numbers 1s 6d. Illuminating Engineering Pub. Co., 32 Victoria St, London, S. W. 1.

Ind & Eng Chem—Industrial and Engineering Chemistry. $7.50; single numbers 75c. American Chemical Society, Charles L. Parsons, Sec., Mills Building, 17th St and Pennsylvania Av, Washington, D.C.
Formerly Journal of Industrial and Engineering Chemistry.

Ind Eng—Industrial Engineer. $2; single numbers 25c McGraw-Hill Co., Inc., Old Colony Bldg., Chicago.
Formerly Electrical Review and Western Electrician; Electrical Review and Industrial Engineer.

Ind Management—Industrial Management. $3; single numbers 35c. Industrial Management, 120 W 32d St, New York.

Ind Management (Lond)—Industrial Management. 12s 6d; single numbers 8d. Louis Cassier Co., Ltd., 34, Bedford St, Strand, London, W.C. 2.
Formerly Engineering and Industrial Management.
Title changed, January 10, 1924 to Cassier's Industrial Management

Index—Index. New York Trust Company, 100 Broadway, New York.

India Rubber W—India Rubber World. $3; single numbers 35c. India Rubber Pub. Co., 25 W 45th St, New York.

Inland Ptr—Inland Printer. $4; single numbers 40c. Inland Printer Co., 632 Sherman St, Chicago.

Inst E E J—Journal of the Institution of Electrical Engineers. single numbers 10s 6d. E. & F. N. Spon, Ltd., 57 Haymarket, London, S. W. 1.; Spon & Chamberlain, 123 Liberty St, New York.

Inst Pet Tech J—Journal of the Institution of Petroleum Technologists and Record of Transactions. single numbers 7s 6d. Institution of Petroleum Technologists, Aldine House, Bedford St. Strand. London. W.C.2.

Int Labour R—International Labour Review. $5; single numbers 60c. International Labour Office, 7, Route de Pregny, Geneva, Switzerland; 40 Mt. Vernon St, Boston.

Iron Age—Iron Age. $6; single numbers 25c. Iron Age Pub. Co., 239 W 39th St, New York.

Iron & Steel Inst J—Journal of the Iron and Steel Institute. Iron and Steel Institute, 28, Victoria St, London, S. W. 1; E. & F. N. Spon, Ltd., 57, Haymarket, London; Spon & Chamberlain, 123 Liberty St, New York.

Iron Tr R—Iron Trade Review. $6; single numbers 25c. Penton Pub. Co., Cleveland, O.

J Account—Journal of Accountancy. $4; single numbers 35c. Journal of Accountancy, Inc., 135 Cedar St, New York.

J Elec—Journal of Electricity and Western Industry, $2; single numbers 25c. McGraw-Hill Co. of Cal., Rialto Bldg., San Francisco, Cal.

J Eng Educ—Journal of Engineering Education. $3 (ten numbers); single numbers 50c. Dean F. L. Bishop, University of Pittsburgh, Pittsburgh, Pa.
Formerly Engineering Education.

J Fr Inst—Journal of the Franklin Institute. $6; single numbers 60c. Franklin Institute, Philadelphia.

J Ind & Eng Chem—See Ind & Eng Chem

J Ind Hygiene—The Journal of Industrial Hygiene. $6; single numbers 75c. Harvard Medical School, 55 Van Dyke St., Boston, Mass.

J Phys Chem—The Journal of Physical Chemistry. $8. Cornell University, Ithaca, N.Y.

Locomotive—Locomotive. 50c; single numbers gratis; recent bound volumes $1. Hartford Steam Boiler Inspection & Insurance Co., Hartford, Conn.

Mach—Machinery. Engineering edition $3; single numbers 35c. Industrial Press, 140 Lafayette St, New York.

Management & Adm. Management and Administration. $5; single numbers 50c. Ronald Press Co., 20 Vesey St, New York.

Manuf Rec—Manufacturers Record. $6.50; single numbers 20c. Manufacturers Record Publishing Co., Manufacturers Record Building, Commerce & Water Sts, Baltimore.

Marine Eng—Marine Engineering and Shipping Age. $3; single numbers 35c. Simmons-Boardman Pub. Co., 30 Church St, New York.
Formerly International Marine Engineering

Marine R—Marine Review. $3; single numbers 35c. Penton Pub. Co., Penton Bldg, Cleveland, O.

Mech Eng—Mechanical Engineering, the Journal of the American Society of Mechanical Engineers. $5; single numbers 60c. American Society of Mechanical Engineers, 29 W 39th St, New York.

Metal Ind—Metal Industry. $1; single numbers 10c. Metal Industry, 99 John St, New York.

Min Cong J—Mining Congress Journal. $3; single numbers 30c. American Mining Congress, Washington, D.C.

Mo U Sch Mines & Met Bul—Bulletin of the University of Missouri. School of Mines and Metallurgy, Univ. of Mo., Rolla

Mo U Sch Mines & Met Bul tech ser—Bulletin of the University of Missouri, School of Mines and Metallurgy, Technical Series, Univ. of Mo., Rolla

Monthly Labor R—Monthly Labor Review. $1.50; single numbers 15c. U.S. Bureau of Labor Statistics, Washington, D.C.
Free to labor departments and bureaus and other offices connected with the administration of labor laws.

Moody's Inv Serv—Moody's Investors Service. $80. John Moody, 35 Nassau St, New York.

Munic & Co Eng—Municipal and County Engineering. $2; single numbers 25c. Engineering Pub. Co., 702 Wulsin Bldg, Indianapolis, Ind.
Formerly Municipal Engineering.

Munic Eng. See Munic & Co Eng

N E L A Bul—National Electric Light Association Bulletin. $3. National Electric Light Assn., 29 W 39th St, New York.

N E Water Works Assn J—Journal of the New England Water Works Association. $4; single numbers $1.25. New England Water Works Association, 714 Tremont Temple, Boston.

Nat City Bank—National City Bank of New York, 55 Wall St, New York.

Nat Pet N—National Petroleum News. $2.50; single numbers 10c. National Petroleum Pub. Co., 812 Huron Road, Cleveland, O.

Nat Research Council Bul—National Research Council Bulletin. National Research Council, 1701 Massachusetts Av, Washington, D.C.

Nat Safety N—National Safety News. $4; single numbers 40c. without bulletins; with bulletins $6; single numbers 60c. National Safety Council, 168 N Michigan Av, Chicago.

Nation's Business—The Nation's Business. $3; single numbers 25c. Chamber of Commerce of the United States, Mills Bldg., Washington, D.C.

Nation's Health—The Nation's Health. $3; single numbers 35c. Modern Hospital Publishing Co., 21 East 40th St, New York.

Oil Paint & Drug Rep—Oil, Paint and Drug Reporter. $5; single numbers 15c. Oil, Paint and Drug Reporter, 100 William St, New York.

Paper—Paper. $4; single numbers 10c. Hughes Pub. Co., 1478 Broadway, New York.

Paper Tr J—Paper Trade Journal. $4; single numbers 10c. Lockwood Trade Journal Co., Inc., 10 E 39th St, New York.

Pet Age—Petroleum Age. $2; single numbers 15c. Graffis-Sutton Publishing Co., 28 East Jackson Blvd, Chicago.

Philos Mag—Philosophical Magazine, and Journal of Science. single numbers 4s. 6d. Taylor and Francis, Red Lion Court, Fleet St, London.

Phys R—The Physical Review. Second Series. $7; single numbers 75c. The Physical Review, Corning, N.Y.

Power—Power. $3; single numbers 15c. McGraw-Hill Co., Inc., 10th Av at 36th St, New York.

Power Pl Eng—Power Plant Engineering. $2; single numbers 15c. Technical Pub. Co., 537 S Dearborn St, Chicago.

Prof Eng—Professional Engineer. $1.50; single numbers 15c. American Association of Engineers, 63 E Adams St, Chicago.

Ptg Art—The Printing Art. $4; single numbers 40c. The University Press, Cambridge, Mass.

Ptr Ink—Printers' Ink. $3; single numbers 10c Printers' Ink Pub. Co., 185 Madison Av, New York

Ptr Ink M—Printers' Ink Monthly. $2; single numbers 25c. Romer Pub. Co., Inc., 185 Madison Av, New York.

Pub Roads—Public Roads. $1; single numbers 10c. U. S. Department of Agriculture, Bureau of Public Roads, Washington, D.C.

Pub Serv Management—Public Service Management. $3; single numbers 25c. Utilities Publication Co., 431 So. Dearborn St, Chicago.

Pub Works—Public Works. $3; single numbers 25c. Public Works Journal Corp., 243 W 39th St, New York.

R Econ Statis—Review of Economic Statistics. $6 a year (including Weekly Letter Service $100 a year). Committee on Economic Service, Harvard Univ., Cambridge, Mass.

Radio N—Radio News. $2.50; single numbers 25c. Experimenter Publishing Co., 53 Park Pl, New York.

Radio Serv Bul—Radio Service Bulletin. 25c. Bureau of Navigation, Department of Commerce, Washington, D.C.

Ref Shelf—The Reference Shelf. $4.50. The H. W. Wilson Co., 958 University Av, New York.

Refrig Eng—Refrigerating Engineering. $5; single numbers 50c. American Society of Refrigerating Engineers, 35 Warren St, New York.

Refrig W—Refrigerating World. $2; single numbers 20c. Ice Trade Journal Co., 25 West Broadway, New York.

Roy Aeronautical Soc J—Royal Aëronautical Society Journal. £1 12s 6d; single numbers 2s 9d. Royal Aëronautical Society, 7, Albemarle st, Piccadilly, London, W. 1.
Formerly Aëronautical Journal

Roy Statis Soc J—Journal of the Royal Statistical Society. £1 11s; single numbers 7s 6d. Royal Statistical Society 9, Adelphi Terrace, Strand, London, W.C. 2.

Rubber Age—Rubber Age. $2; single numbers 10c. Gardner Pub. Co., Inc., 225 Fourth Av, New York.

Ry Age—Railway Age. $6; single numbers 25c. Simmons-Boardman Pub. Co., 30 Church St, New York.

Ry Mech Eng—Railway Mechanical Engineer including the American Engineer. $3; single numbers 35c. Simmons-Boardman Pub. Co., 30 Church St, New York.

Ry R—Railway Review. $4; single numbers 25c. Railway Review, 537 S Dearborn St, Chicago; 30 Church St, New York.

Safety Eng—Safety Engineering. $3; single numbers 25c. Safety Magazine Publishing Corp., 119 Nassau St, New York.

Sales Management—Sales Management. $3; single numbers 25c. Dartnell Corp., 1801 Leland Av, Chicago.

Sanitary & Heat Eng—Sanitary & Heating Engineering. $2; single numbers 10c. Edwin A. Scott Pub. Co., Inc., 45 W 45th St, New York.

Sci Am—Scientific American. $4; single numbers 35c. Munn & Co., 233 Broadway, New York.

Sheet Metal Worker—Sheet Metal Worker. $3; single numbers 15c. Edwin A. Scott Pub. Co., Inc., 45 W 45th St, New York.
A Consolidation of Metal Worker, Plumber and Steam Fitter and Sheet Metal.

Sibley J—Sibley Journal of Engineering. $2.50; single numbers 30c. Sibley College, Cornell Univ., Ithaca, N.Y.

Soc Auto Eng J—Society of Automotive Engineers. Journal. $10; single numbers $1. Society of Automotive Engineers, Inc., 29 W 39th St, New York.

Soc Chem Ind J—Society of Chemical Industry. Journal. single numbers 1s 9d. Society of Chemical Industry, Central House, 46 & 47, Finsbury Sq, London, E.C. 2.

Soc Dyers & Col J—Society of Dyers and Colourists. Journal. 60s; single numbers 5s. Society of Dyers and Colourists, 30 Pearl Assurance Bldgs, Market St, Bradford, England.

Soc Ing Civils Bul—Mémoires et Compte Rendu des Travaux de la Société des Ingénieurs Civils de France. Bulletin. Hotel de La Société, 19, rue Blanche, 19 (9e), Paris, France.

Special Lib—Special Libraries. $4; single numbers 50c. H. W. Wilson Co., 958-972 University Av, New York.

Spectator—Spectator. $4; foreign countries $5; single numbers 25c. Spectator Co., 135 William St, New York.

Stahl & Eisen—Stahl und Eisen, Düsseldorf, Germany.

Stevens Ind—Stevens Indicator. $2; single numbers 35c. Stevens Institute of Technology, Hoboken, N.J.

Survey of Cur Business—Survey of Current Business (monthly supplement to Commerce Reports). $1.50; single numbers 10c. Superintendent of Documents, Washington, D.C.

System—System. $4; single numbers 35c. A. W. Shaw Co., Cass, Huron and Erie Sts, Chicago.

Taylor Soc Bul—Bulletin of the Taylor Society. $3. Taylor Society, 29 W 39th St, New York.

Tech Assn Pa—Technical Association Papers. 6th ser. $3. Technical Association of the Pulp and Paper Industry, 18 E 41st St, New York.

Textile Col—Textile Colorist. $5. Textile Colorist, 233 Broadway, New York.

Textile Inst J—Textile Institute. Journal. 2 Guineas. Textile Institute, 16 St Mary's Parsonage, Manchester, England.

Textile World—Textile World. $4. Bragdon, Lord & Nagle Co., 334 4th Av, New York.

U S Agric Bul—United States. Dept. of Agriculture. Bulletin. Distributed free of charge. U.S. Dept. of Agriculture, Division of Publications, Washington, D.C.
Selected contributions from the Bureau of Chemistry, Forest Service and Office of Public Roads are indexed.

U S Bur For & Dom Com—United States. Bu-
* reau of Foreign and Domestic Commerce. Special agents series. U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C

U S Bur For & Dom Com misc ser—United
* States. Bureau of Foreign and Domestic Commerce. Miscellaneous series. U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.

U S Bur For & Dom Com Trade Information
* **Bul**—U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.

U S Bur Labor Statistics Bul—United States. Bureau of Labor Statistics. Bulletin. Distributed free of charge. U.S. Bureau of Labor Statistics, Washington, D.C.

U S Bur Mines Bul—United States. Bureau of
† Mines. Bulletin. U.S. Bureau of Mines, Washington, D.C.

U S Bur Mines Circ—United States. Bureau of
† Mines. Miners' circular. U.S. Bureau of Mines. Washington, D.C.

U S Bur Mines Rep of Invest—United States. Bureau of Mines. Reports of Investigations, Bureau of Mines, Washington, D.C.

U S Bur Mines Tech Pa—United States. Bureau † of Mines. Technical paper. U.S. Bureau of Mines, Washington, D.C.

U S Bur Stand Circ—United States. Bureau of ‡ Standards. Circular. U.S. Bureau of Standards, Washington, D.C.

U S Bur Stand Sci Pa—United States. Bureau of Standards. Scientific papers. U.S. Bureau of Standards, Washington, D.C.
Per volume paper $1.25; cloth $1.50; foreign subscription, paper $2; cloth $2.10. Single numbers vary in price.

U S Bur Stand Tech Pa—United States. ‡ Bureau of Standards. Technologic papers. U.S. Bureau of Standards, Washington, D.C.

U S Geol S Bul—United States Geological Survey. Bulletin. Distributed free of charge. U.S. Geological Survey, Washington, D.C.

U S Nat Advisory Com for Aeronautics—United States National Advisory Committee for Aeronautics, Washington, D.C.

U S Sp Cons Rep—United States. Special con- * sular reports. U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.

U S Women's Bur Bul—United States Women's Bureau. Bulletin. U.S. Women's Bureau, Washington, D.C.

Univ J of Business—University Journal of Business. $3; single numbers 75c. University Journal of Business, Box 10, Faculty Exchange, 58th St, & Ellis Av, University of Chicago, Ill.

VDI. See Zeit Ver Deutsch Ing

W Soc E J—Journal of the Western Society of Engineers. $3; single numbers 50c. Western Society of Engineers, 53 W Jackson Blvd, Chicago.

Wireless Age—The Wireless Age. $2.50; single numbers 25c. Wireless Press, Inc., 326 Broadway, New York.

Wis U Bul Eng S—Bulletin of the University of Wisconsin, Engineering Series. Univ. of Wis., Madison

World's Markets—World's Markets. $2.50; single numbers 25c. R. G. Dun & Co., 290 Broadway, New York.
Discontinued with the May, 1924, number and merged with Dun's International Review.

Zeit Ver Deutsch Ing—VDI. Zeitschrift des Vereines Deutscher Ingenieure. VDI-Verlag, SW 19, Beuthstrasse 7, Berlin, Germany.

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Am. Acad. of Pol. and Soc. Sci. American Academy of Political and Social Science, Station B, Philadelphia

Appleton. Daniel Appleton & Co., 29-35 W. 32d St., N.Y.; 533 S. Wabash Av., Chicago

Baird. H: C. Baird & Co., 2 W. 45th St., N.Y.

Blakiston. P. Blakiston's Son & Co., 1012 Walnut St., Philadelphia

Bobbs. Bobbs-Merrill Co., 18 University Square, Indianapolis; 185 Madison Av., N.Y.

Brentano's, 5th Av. & 27th St., New York.

Century Co., 353 4th Av., N.Y.

Chemical Catalog Co., Inc., 19 E. 24th St., N.Y.

Chemical Pub. Co. Chemical Pub. Co., 300 N. 3d St., Easton, Pa.

Crowell. T. Y. Crowell Company, 387-393 4th Av., N.Y.

Dodd. Dodd, Mead & Co., 4th Av., & 30th St., N.Y.

Doran. George H. Doran Co., 244 Madison Av., N.Y.

Doubleday. Doubleday, Page & Co., Garden City, N.Y.

Drake. Frederick J. Drake & Co., 1006 S. Michigan Av., Chicago

Dutton. E. P. Dutton & Co., 681 5th Av., N.Y.

Ginn. Ginn & Co., (Educational text-bks.) 15 Ashburton Place, Boston; 2301-2311 Prairie Av., Chicago; 70 5th Av., N.Y.

Gregg. Gregg Publishing Company, 285 5th Av., N.Y.; 623 S. Wabash Av., Chicago

Harcourt. Harcourt, Brace & Co., 383 Madison Av., N.Y.

Harper. Harper & Brothers, 49 E. 33d St., N.Y.

Heath. D. C. Heath & Co., 50 Beacon St, Boston; 239 W. 39th St., N.Y.; 1815 Prairie Av., Chicago

Henley. Norman W. Henley Pub. Co., Putnam Bldg., 2 W. 45th St., N.Y.

Holt. Henry Holt & Co., 19 W. 44th St., N.Y.; 2451 Prairie Av., Chicago

Houghton. Houghton, Mifflin Co., 2 Park St., Boston; 16 E. 40th St., N.Y.; 2451-2459 Prairie Av., Chicago; 612 Howard St., San Francisco

Huebsch. B. W. Huebsch, 116 W. 13th St., N.Y.

Knopf. Alfred A. Knopf, 730 5th Av., N.Y.

Lippincott. J. B. Lippincott Co., East Washington Sq., Philadelphia

Longmans. Longmans, Green & Co., 55 5th Av., Cor. 12th St., N.Y.

McGraw-Hill. McGraw-Hill Bk. Co., Inc., 370 7th Av., N.Y.

McKay. David McKay, 604-608 S. Washington Square, Philadelphia

Macmillan. The Macmillan Co., 66 5th Av., N.Y.

Manual Arts Press, 237 N. Monroe St., Peoria, Ill.

Oxford. Oxford University Press (Clarendon Press) (American branch), 35 W. 32d St., N.Y.

Penton Pub. Co., 1213 W. 3d St., Cleveland, O

Pitman. Sir Isaac Pitman & Sons, 2-6 W. 45th St., N.Y.

Prentice-Hall, Inc., 70 5th Av., N.Y.

Putnam. G. P. Putnam's Sons, Putnam Bldg., 2-6 W. 45th St., N.Y.

Revell. Fleming H. Revell & Co., 158 5th Av., N.Y.; 17 N. Wabash Av., Chicago

Ronald Press. Ronald Press Co., Evening Post Bldg., 20 Vesey St., N.Y.

Routledge. Routledge, G. & Sons, Ltd., Broadway House, 68-74 Carter Lane, Ludgate Hill, E.C. 4

Scribner. Charles Scribner's Sons, 597 5th Av., N.Y.; 320 E. 21st St., Chicago

Shaw. A. W. Shaw Co., 660 Cass St, Chicago; 342 Madison Av., N.Y.

Spon. E. & F. N. Spon, Ltd., 57 Haymarket, London, S. W. 1; Spon & Chamberlain, 120-122 Liberty St., N.Y.

Stokes. F. A. Stokes Co., 443-449 4th Av., N.Y.

Supt. of Doc. Superintendent of Documents, Union Bldg., Washington, D.C.

U. P. C. Book Co., Inc., 243 W. 39th St, N.Y.

Univ. of Chicago Press, 5750 Ellis Av., Chicago

Van Nostrand. D. Van Nostrand Co., 8 Warren St., N.Y.

Wiley. John Wiley & Sons, Inc., 432 4th Av., N.Y.

Workers Educ. Bur. Workers Educational Bureau of America, 476 W. 24th St., N.Y.

Industrial Arts Index

A Cumulative Index to Engineering, Trade and Business Periodicals

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Pioneer in pure foods and drugs: Lewis C. Beck. L. F. Kebler. Ind & Eng Chem 16: 968-70 S '24

See also Fertilizers—Laws and regulations; Food adulteration

ADVERTISEMENTS

Advertising criticised. See monthly numbers of Printing art

How to read an advertisement. D. M. Jones. Ptr Ink M 9:36-8+ O '24

See also Advertising; Billboards; Blotters; Broadsides (advertisements); Catalogs; Labels; Posters; Show cards

Arrangement

Why not adopt the pyramid makeup? S. J. Harris. il Inland Ptr 73:715-17 Ag '24

Books and booklets

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Capitalizing a fifty-year-old advertising policy; Rogers Peet company. C: G. Muller. Ptr Ink M 9:136+ N '24

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Getting prospects past the cover of the leaflet. W. L. Larned. Ptr Ink 129:53-4+ O 16 '24

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Giving an old campaign new life. Ptr Ink M 8:88+ My '24

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How you can use a history in your business. J: A. Murphy. il Ptr Ink M 9:27-8+ S '24

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Should the advertising booklet be sold to consumers? Ptr Ink 126:26-7+ Ja 10 '24

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Unselfish booklets that close gap between advertiser and prospect. C. B. Larrabee. il Ptr Ink M 9:21-3+ S '24

What should be on the booklet cover? C. B. Larrabee. il Ptr Ink M 9:22-5 N '24

What should go into the goodwill booklet? D. M. Hubbard. il Ptr Ink M 9:34-6+ Ag '24

Borders

Building the product into the copy. W. L. Larned. il Ptr Ink M 8:39-40 My '24

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The dare type of appeal to drive home essential facts. J: L. Love. Ptr Ink 128:89+ Ag 7 '24

Determining the kind of advertising that sells best. R. Cole. il Ptr Ink M 9:30-2+ S '24

Development of a copy style. G: B. Hotchkiss. Ptr Ink 127:146+ Je 5 '24

Do advertising managers stay too close to their desks? R. Crothers. Ptr Ink 126:25-6+ F 14 '24

Does hob-nailed copy pay? R: Surrey. Ptr Ink 127:25-6+ My 1 '24

Does the first paragraph fulfill the promise of the headlines? W. L. Larned. Ptr Ink 128: 213+ S 18 '24

Does your copy soar above the heads of its readers? E. Wolff. Ptr Ink 128:177-8 S 18 '24

Enthusiastic selling by the printed word. J: L. Love. Ptg Art 43:525-8 Ag '24

ADVERTISEMENTS—Copy—*Continued*
Exclamation point goes on a tear. W. L. Larned. Ptr Ink 127:49-50+ Je 12 '24
Fine art of description. H. N. Casson. Ptg Art 43:519-21 Ag '24
Five studies on advertisement writing. 5v Business-craft studies, Danville, Ill. '23
Full-page newspaper advertising to reach one prospect; the Ward electric company. Ptr Ink 125:49-50 N 8 '23
Fussy client who insists on touching up the copy. C. Bold, pseud. Sales Management 6:507-8 F '24
How an advertised cat put Sam Ashley on the road to prosperity. R. Rockafellow. Ptr Ink 126:141-2+ Mr 6 '24
How do you talk to plain folks? A. Bradbury. Ptr Ink 126:3-4+ Ja 24 '24
How much horsepower has an automobile advertisement? K. M. Goode. Sales Management 7:1449-50+ S '24
Importance of achieving a copy style. J. Wallen. Ptr Ink 125:125-6+ D 27 '23
Importance of mental movies. W. M. Barrow. Ptr Ink 129:87-8+ N 13 '24
Injecting speed into copy. R. Surrey. Ptr Ink 128:93-4+ Ag 28 '24
Jigger or goon—who writes your copy? A. H. Little. Ptr Ink M 9:41-2+ Jl '24
The last word in copy; is it ever said? R: Surrey. il Ptr Ink M 9:45-6+ N '24
Lining up the sales arguments 1-2-3. W. H. Heath. il Ptr Ink 127:17-19 Je 12 '24
Man behind the copy that sells the goods. C: M. Horton. Ptg Art 42:360-2 D '23
"New"; a most important word in present-day advertising. A. L. Townsend. Ptr Ink 126:89-90+ Mr 20 '24
New twists to old words. R: Surrey. Ptr Ink M 9:17-18+ Ag '24
Newspaper advertisements that lure the reader. R. G. Gardner. Ptg Art 43:449-51 Jl '24
Once again: "How long should the copy be?" D. M. Jones. Ptr Ink 127:49-50 My 29 '24
Parent of golden dreams—romance. A. H. Little. Ptr Ink 126:181+ Mr 6 '24
Power of words. A. Stote. Ptr Ink M 9:41-2+ O '24
Put a vital spark in that humdrum product. Ptr Ink 127:17-18 My 8 '24
Reducing sales arguments to the one best talking point. J: A. Murphy. Ptr Ink M 9: 29-30+ O '24
Sam Dellingham writes an advertisement. R. Dickinson. Ptr Ink 126:33-4+ F 21 '24
Shall advertising walk in stocking feet or hob-nailed boots? R. Giles. Ptr Ink 127:17-20 Ap 10 '24
Short sentences are best. L. St Clair. Aera 12:1947-50 Je '24
Similes, slang and slogans. L. Markel. Ptr Ink 126:10+ Ja 17 '24
Some fruits of solitude. E: Harrison. Ptr Ink 128:129-30 Ag 21 '24
Splitting up the campaign's copy appeal to reach specific classes. A. L. Townsend. Ptr Ink 129:143-4+ N 13 '24
Story-tellers' club in business-paper advertising. W. L. Larned. Ptr Ink M 8:35+ Mr '24
Swaddled meaning in copy. R: Surrey. Ptr Ink 125:61-2+ N 15 '23
Take a tip from Tchekhoff. R: Surrey. Ptr Ink 127:77-8+ My 29 '24; Excerpts. Automotive Ind 50:1274-5 Je 12 '24
Take another look; good advertising a matter of good judgment, impatient of precedent, unhampered by rules. T: Henry. Ptr Ink 127:33-4 My 22 '24
Technique of copy writing. H. N. Casson. Ptg Art 43:127-9 Ap '24
Ten points to remember when you write an ad. Sanitary & Heat Eng 101:307 My 16 '24
Touch of analogy that brings conviction. K. B. White. il Ptr Ink M 9:39-40 Ag '24
Unfurnished rooms of advertising copy. A. R. Hopper. Ptr Ink M 9:82+ S '24
Using facts as bait in small copy. R: Surrey. Ptr Ink 128:79-80+ Ag 21 '24
Way to cash in on sport interest. D. Hubbard. Ptr Ink 128:108+ Jl 3 '24
What copy should the package carry? K. B. White. il Ptr Ink M 9:40-2+ S '24
What the retail clerk can tell the copy writer. R. Branner. Ptr Ink 128:69-70+ Jl 3 '24
What's the energy value of this copy? B: Jefferson. Ptr Ink 127:61-2+ My 15 '24
When the copy writer turns ventriloquist. W. L. Larned. Ptr Ink 126:105-6+ Ja 3 '24
Wherein the hammer is used; elemental appeals in advertising. H. Botsford. Ptg Art 43:446-8 Jl '24
Which advertising viewpoint—get-rich-quick or 6 per cent and safety? R. Giles. Ptr Ink 128:3-4+ Jl 10 '24
Why I think most ads are poor. W. M. Kiplinger. Ptg Art 42:223-8 N '23
Why Woodbury uses the same appeal after 15 years. G. Kinney. Ptr Ink 129:117-18 O 16 '24
Word sources that strengthen copy uses. L. R. Alwood. Ptr Ink 128:104+ S 4 '24
Worked-out claims that produce new pay-streaks. A. L. Townsend. Ptr Ink 129:25-6+ O 2 '24
You and de audience all mixed up togedder. L. Mackall. Ptr Ink 128:25-6+ Jl 31 '24
See also Advertisements, Pictorial

Coupons
Coupons that pull. S. P. Moore. il Ptr Ink M 8:36-7 My '24
Increasing direct advertising returns. F. McNaughton, p 148-99 Selling aid, 1304 Jackson blvd., Chicago '23
Lucky Strike advertises new sampling idea. Ptr Ink 125:99-100 N 8 '23
When coupons in Wisconsin newspapers are unlawful. Ptr Ink 126:138 Mr 6 '24

Dealer helps
See Advertising—Dealer helps

Design
See Advertisements—Typography; Advertisements, Pictorial

Durability appeal
Length of service as an illustrative theme. E. H. Rowe. Ptr Ink 125:97-8+ D 13 '23
This is a typical incident—. E. B. Weiss. Ptr Ink M 9:29-30 Ag '24

Emotional appeal
Offer of too much service may prove a boomerang. J. R. Sprague. Ptr Ink 128:110+ Ag 21 '24

Exhibits
See Advertising—Exhibitions

Geographical interest
Capitalizing on the public's globe-trotting aspirations; Arm-chair voyages. A. L. Townsend. Ptr Ink 127:180+ Je 26 '24

Headlines
Breaking the headline without sacrifice of clarity. Ptr Ink 125:33-4+ D 13 '23
Getting ahead with headlines. H. B. Winsor. Bankers M 109:593+ O '24
Headlines with a double meaning. W. L. Larned. Ptr Ink 129:143+ O 2 '24
Making a line of lettering sing. W. L. Larned. Ptr Ink 127:33-4 Je 26 '24
Making headlines spectacular by use of the vernacular of the day. W. L. Larned. Ptr Ink 126:33-4 F 28 '24
Putting the selling appeal in the headline. J: L. Love. Ptg Art 42:245-51 N '23
Sense and nonsense in headline questions. H. K. Hollister. Ptr Ink 127:129-30+ Je 12 '24
Slices of attention carved with question marks. R: Surrey. Ptr Ink M 9:21-3+ O '24
Technique of writing head-lines. H. N. Casson. Ptg Art 43:327-9 Je '24
Unique methods of arranging the headline. W. L. Larned. Ptr Ink 129:33-4+ O 30 '24
Writing nifties into headlines. A. L. Townsend. Ptr Ink 128:64+ Jl 10 '24

Health appeal
Knox advertises medical value of gelatine to both physicians and consumers. C. B. Larrabee. Ptr Ink 126:61-2+ Mr 13 '24

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Historical interest

Getting under the skin of the critical industrial prospect; Tide Water campaign. J. T. Jones. Ptr Ink M 8:90+ Ja '24
Historical campaign that appeals to children as well as grown-ups. H: Burwen. Ptr Ink 125:150-1 N 15 '23
Pittsburgh water heater combines humorous and historical copy. R. Davis. Ptr Ink 126: 98-100 F 28 '24
Roofing manufacturer goes to history for campaign's theme. Ptr Ink 126:33-4 F 14 '24

Human interest appeal

Advertising that gets its readers to talk about it; Simonds saw and steel co. M. Hastings, jr. Ptr Ink M 9:37+ S '24
Homely advertising that has built business for Washington tinsmith. G: H. Dacy. il Ptr Ink M 8:120+ F '24
How plant management influences the sales department. G. A. Nichols. Ptr Ink M 8:37-8+ Ja '24
How Starrett and other industrial advertisers get effective illustrations. Ptr Ink 126:133-4+ Mr 6 '24
Human interest in advertising. C: M. Horton. Ptg Art 44:266-8 N '24
Slide rule copy vs. human interest in direct mail. D: H. Colcord. il Sales Management 7:1783-4+ N '24
Some possibilities of the child appeal. W. L. Larned. Ptr Ink 128:69-70+ S 25 '24
When to put personality into advertising. Ptr Ink 128:125-6 Ag 21 '24

Illustrations

See Advertisements, Pictorial

Layout

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Local pride appeal

Getting local flavor in business-paper copy. Ptr Ink 128:105-6 Jl 31 '24
Katy advertises by advertising a community: uses newspaper space to attract freight business. G. A. Nichols. Ptr Ink 125:153-4+ N 15 '23
Praising the fair name of Arkansas increases life insurance business. S. W. Ellis. Ptr Ink 126:157-8 F 14 '24
Putting local color in newspaper copy. E. B. Weiss. Ptr Ink M 8:30-1+ Ap '24

Maps

When you use a map in your advertising. C. B. Larrabee. maps Ptr Ink M 9:21-3 Ag '24

Measurement

Rhythm of campaign—another yardstick for advertising. B: Jefferson. Ptr Ink 126:3-4+ F 7 '24
What's the energy value of this copy? B: Jefferson. Ptr Ink 127:61-2+ My 15 '24

Negative appeal

Mental hazards that stand in the way of sales. C. B. Larrabee. Ptr Ink M 9:17-18+ Jl '24

News interest

Capitalizing news in bank publicity. T. D. MacGregor. Burroughs Clearing House 8: 28-9+ Ap '24
How Columbia yarn copy has capitalized on current events. J: A. Lutz. Ptr Ink 126:17-18 F 14 '24
A selling idea for August, 1925; linking up your product with school opening. A. Lewis. Ptr Ink 128:17-19 S 4 '24
When copy comes knocking at the door. D. Hubbard. Ptr Ink 129:87-8 O 30 '24

Novelty appeal

Direct mail "pepper sauce" that whets the reader's appetite. Sales Management 7:1399-1400 Ag '24
"New"; a most important word in present-day advertising. A. L. Townsend. Ptr Ink 126:89-90+ Mr 20 '24
Unusual layout simplifies a complicated advertising story. M. Phillips. Ptr Ink 125:33-4+ N 29 '23
Where to find the big constructive sales argument. R. Cole. Ptr Ink 128:137-8+ S 18 '24

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Price justification

When resistance to price increase must be overcome. B. R. Brooker. Ptr Ink 127:136+ Ap 10 '24

Price quoting

Should the resale price be advertised? Ptr Ink M 9:78 Jl '24

Quality appeal

How 1,800 dealers were taken off a stagnant list. A. L. Townsend. Ptr Ink 129:160+ O 9 '24
New England housewives give hearing to Grandma's molasses. H: Burwen. Ptr Ink 126:181-2 Ja 10 '24
Retailer refuses to match wits with customers. Ptr Ink 126:158+ Ja 24 '24
Shall we sell the product, or its environments? Derry-made mattresses. H: Burwen. Ptr Ink 125:17-19 D 6 '23
Tapping new sales reservoirs by trading-up. W. B. Edwards. Ptr Ink M 8:22-4 My '24
When the product's prestige gives the prospect a price scare. B. A. Grimes. Ptr Ink 127:186+ Je 26 '24

Repetition

Giving an old campaign new life. Ptr Ink M 8:88+ My '24
Ways to bring back high spots in the campaign for an encore. W. L. Larned. Ptr Ink 127:53-4+ Ap 10 '24
Why Woodbury uses the same appeal after 15 years. G. Kinney. Ptr Ink 129:117-18 O 16 '24

Teaser copy

Making the prospect guess; Buick motor company advertising. C. M. Harrison. Ptr Ink 128:33-4+ Ag 7 '24

Testimonials

Bureau of standards as a source of copy and sales ideas. J. True. Ptr Ink M 8:46+ Ja '24
Choice of the cull in letters from users. A. L. Townsend. Ptr Ink 128:77-8+ S 11 '24
How Edgeworth copy is kept perennially young. J. True. Ptr Ink M 7:54+ D '23
How testimonials can be made to order; the New Castle leather company's business-paper advertising. Ptr Ink 126:64+ Ja 24 '24
How to get worth-while testimonials for your business. W. Brindley. Ptr Ink 125:25-7 N 22 '23
Industrial advertising that features the testimonial by indirection. A. L. Townsend. Ptr Ink 126:125-6+ F 21 '24
Powerful way of using testimonials. W. L. Larned. Ptr Ink 128:67-8 Ag 21 '24
Simplicity in testimonial copy. Ptr Ink 128: 114 Ag 28 '24

Testing

Taking the guesswork out of business. W: R. Basset. Forbes 14:425-6 Jl 5 '24

Thrift appeal

How paint industry chose "save-the-surface" as its slogan. F. J. Ross. Ptr Ink 126:100+ F 14 '24
Is thrift a weak appeal in selling a bank's savings department? D. Hubbard. Ptr Ink 129:33-4+ O 2 '24

Typography

Achieving high standards in typography. A. J. Fehrenbach. Ptr Ink M 9:34-5 O '24
Applying laws of art criticism to Buick advertising. R: Surrey. Ptr Ink 126:101-2+ Mr 13 '24
Building newspaper advertisements that are distinctive. D. Gridley. il Ptr Ink M 9:38-40+ N '24
Dipping the text in a solution of picture. W. L. Larned. Ptr Ink 128:64+ Jl 31 '24

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Ford and Douglas drop homely layouts. W. L. Larned. Ptr Ink 125:57-8+ D 13 '23
How environment affects typography. R. G. Gardner. Inland Ptr 73:221-2 My '24
Making two facing pages a single unit. Ptr Ink 129:77-8+ N 20 '24
Making use of aristocracy in the layout. W. L. Larned. Ptr Ink 125:69-70+ N 8 '23
Pittsford's manual for advertisers. 212p Ben C. Pittsford co., Chicago '24
Reproduction of advertisements selected from a series. Inland Ptr 73:72a-h Ap '24
Spacing of advertisements. F: N. Phillips. Ptg Art 42:548-55 F '24
Tests to determine the best type for your advertisements. R: B. Franken. Ptr Ink M 9:31-3+ Jl '24
Tricks of typography that give novelty to the layout. W. R. Heath. Ptr Ink M 8:37-8 Ap '24
Typography of advertising. C. W. Lechleidner. Inland Ptr 73:76 Ap '24
Unusual layout simplifies a complicated advertising story. M. Phillips. Ptr Ink 125: 33-4+ N 29 '23
Value of practical layouts. E: C. Sterry. Inland Ptr 74:246-8 N '24
Way to list dealers in an advertisement. Ptr Ink 128:84 Jl 24 '24
What should art and typography cost? W. L. Larned. Ptr Ink 127:61-2+ Je 19 '24
When lettering goes to the costumers. W. L. Larned. Ptr Ink 126:41-2 Ja 31 '24
Why quotes? E. M. Belmont. Ptr Ink 128: 95-6 Jl 3 '24

See also Advertisements—Borders; Advertisements—Headines; Advertisements, Small space

Use appeal

When sales seem to have stopped on dead center; sales of Lepage's glue. H. Ashbrook. Sales Management 7:1744+ N '24

ADVERTISEMENTS, Classified

Want ads

Stamp collector combs the country with advertising. Ptr Ink 126:20 Mr 20 '24

See also Employment systems—Advertising

ADVERTISEMENTS, Humorous
Change of pace in copy; how Truly Warner made an overnight shift. R. Crothers. Ptr Ink 129:89-90+ O 9 '24
When humor in advertising pays. R. Dickinson. il Ptr Ink M 9:31-2+ N '24
When the cartoonist is valuable as illustrator of the campaign. W. L. Larned. Ptr Ink 125: 41-2+ D 27 '23

ADVERTISEMENTS, Pictorial
Advertising X-rays sell hidden features of a product. W. L. Larned. Ptr Ink 128:93-4+ Jl 17 '24
Applying laws of art criticism to Buick advertising. R: Surrey. Ptr Ink 126:101-2+ Mr 13 '24
Art director's sphere of influence in an advertising agency. Ptr Ink 126:106-8+ F 7 '24
Art in financial advertising. G. P. Knapp. Bankers M 108:229+ F '24
Background as a part of the advertisement's appeal. E. H. Rowe. Ptr Ink 126:97-8+ Ja 17 '24
Backgrounds that accentuate a product's special features. il Ptr Ink 129:33-4+ O 23 '24
Building the double-spread to jump intervening gutter space. Ptr Ink 125:41-2+ D 20 '23
Cloaking the story in new pictorial clothes. W. L. Larned. Ptr Ink 129:33-4+ N 13 '24
Do women respond to "pretty girl" pictures? R. Leigh. Ptr Ink 129:25-6+ N 6 '24
Does advertising art advance? C. B. Larrabee. il Ptr Ink M 8:27-30+ My '24
Fine art of introducing the trade-mark modestly. Ptr Ink 127:115-18 My 22 '24
Give every copy thought a picture of its own. W. L. Larned. Ptr Ink 129:128+ N 6 '24
The guffaw in art; misplaced mirth in advertising illustrations. C. Schaffner. il Ptr Ink 127:97-8+ Je 12 '24
How Starrett and other industrial advertisers get effective illustrations. Ptr Ink 126:133-4+ Mr 6 '24
How to get action into the close-up illustration. Ptr Ink 128:41-2+ S 11 '24
How will you get real illustrations for that next campaign? Ptr Ink 129:81-2+ O 16 '24
Illustration in advertising. H. B. Moore. bibliog il Missouri U Bul v 25, no 27:1-35 '24
Keeping the photographic illustration unaffected. W. L. Larned. Ptr Ink M 9:70+ O '24
Keeping up with the Joneses in illustrative backgrounds. W. L. Larned. Ptr Ink 127:73-4+ My 1 '24
Landscape-gardening the illustration. W. L. Larned. Ptr Ink 126:108+ Mr 20 '24
Length of service as an illustrative theme. E. H. Rowe. Ptr Ink 125:97-8+ D 13 '23
Making novel perspective the pictorial keynote of the campaign. W. L. Larned. Ptr Ink 126:33-4+ Ja 10 '24
Making time an instantaneous factor in advertising. R: Surrey. Ptr Ink 126:81-2+ Ja 10 '24
Making two facing pages a single unit. Ptr Ink 129:77-8+ N 20 '24
"Off at the pistol-shot," pictorially. W. L. Larned. Ptr Ink 125:77-8+ N 29 '23
Purpose of art work in advertising. H. N. Casson. Ptg Art 43:27-9 Mr '24
Radio craze as advertising atmosphere. W. L. Larned. Ptr Ink 129:77-8 O 9 '24
Realism in advertising character studies. W. L. Larned. il Ptr Ink M 8:26-7+ Je '24
Romance of design and ornament as applied to advertising. R. Highet. il Ptg Art 39: 501-7; 40:25-33, 139-46, 235-41, 353-9, 457-63, 558-65; 41:49-55, 145-51, 242-50, 361-8, 463-8, 573-8; 42:51-7, 137-43, 233-8 Ag '22-N '23
Some comments on Pollyanna advertising illustrations. Sales Management 6:817 Ap '24
Some possibilities of the child appeal. W. L. Larned. Ptr Ink 128:69-70+ S 25 '24
Symbol that does more than identify the product. Ptr Ink 128:125-6 Jl 10 '24
Unfinished illustrations—a way to capitalize on reader imagination. Ptr Ink 128:33-4+ S 4 '24
Vest-pocket demonstrations in advertising do big work in little space. W. L. Larned. Ptr Ink 126:18-20 Ja 17 '24
When ghosts play a part in the advertising illustration. W. L. Larned. Ptr Ink 128:168+ Jl 24 '24
When illustrations perform headline duty; illustrations help to sell Yale locks, Armco ingot iron and Veedol. Ptr Ink 126:73-4+ F 7 '24
When the cartoonist is valuable as illustrator of the campaign. W. L. Larned. Ptr Ink 125: 41-2+ D 27 '23
When the "light touch" pays in real estate advertising. H. Sibley. Ptr Ink 126:137-8 F 14 '24
You are moulding manners and morals. L. Mackall. Ptr Ink M 9:34-5+ Jl '24

See also Advertising characters; Advertising departments—Art directors; Color in advertising; Photography, Commercial; Posters; Trade marks

Borders

See Advertisements—Borders

Photographs

Art of giving photographs qualities of the original canvas. W. L. Larned. il Ptr Ink 126:74+ F 14 '24
When to put personality into advertising. Ptr Ink 128:125-6 Ag 21 '24

Technique

Foreign technique finding its way into American illustrations. W. L. Larned. Ptr Ink 125:41-2+ N 15 '23
How to get full value out of line and halftone. il Ptr Ink 127:97-8+ My 15 '24
Is there a special practice in the preparation of rotogravure art? Ptr Ink 127:97-8+ Ap 24 '24

ADVERTISEMENTS, Pictorial—*Continued*
Paring the list of "don'ts" for newspaper illustrations. Ptr Ink 129:61-2+ O 30 '24
Safeguarding illustrations from recent rules against heavy blacks. Ptr Ink 127:61-2+ Je 5 '24
Wedding pen-and-ink technique to other mediums. Ptr Ink 128:80+ Jl 10 '24
When the engraver's tooled-out whites help to make an illustration attractive. Ptr Ink 127:61-2+ Ap 3 '24

ADVERTISEMENTS, Small space
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Five loves that cause a man to buy. R. Barstow. Ptg Art 42:252-6 N '23

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Getting customers to use the product correctly. Ptr Ink M 8:130 Ap '24
How bankers can draw on public confidence. A. Stote. Ptr Ink 128:132+ S 4 '24
How the Seng company interests dealers in something they do not buy from it. J. L. Frazier. Ptr Ink 125:61-2+ N 29 '23
If Mr Cromwell asked me. A. Stote. Ptr Ink 127:25-6+ My 8 '24
Institutional, educational advertising of oil as fuel. W. M. Horner. Am Pet Inst Bul 4:73-6 D 31 '23
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Price of keeping your public in ignorance. A. Stote. Ptr Ink 128:136+ S 25 '24
Technical men of a city explain themselves. H. W. Smith. Ptr Ink 128:94+ S 25 '24
Tonic for an unresponsive market. R. Perry. Ptr Ink M 9:68+ Jl '24
Turning spongers into regular customers. Ptr Ink 125:145-6 N 29 '23
Walk-over enhances dealers' prestige by uncommercial advertising. H: Burwen. Ptr Ink 125:8+ D 27 '23
What's wrong with oil? A. Stote. Ptr Ink 127:101-2+ Je 19 '24
See also Advertisements—Price justification; Advertising, Institutional; Public utilities—Advertising; Publicity

ADVERTISING, Foreign
Advertising American dyestuffs in foreign countries. A. T. Marks. Textile Col 46:629-30 O '24
American goods in need of more advertising abroad. Ptr Ink 126:113-14 Mr 27 '24
China—an opportunity for American advertisers. J. B. Powell. il Ptr Ink M 7:41-2+ D '23
Choosing the agency to handle your British campaign. J. C. Aspley. il Sales Management 7:1277-8+ Jl '24
Eversharp's foreign advertising policy. Ptr Ink 125:115-16+ D 13 '23
Export advertising practice. C. F: Propson. 271p Prentice-Hall '23
General Electric copy in China takes on spirit of the Orient. Ptr Ink 125:97-8 D 20 '23
How American advertisers change their Canadian copy. B. R. Brooker. Ptr Ink 125: 87-8+ D 27 '23
Selling in Swedish markets. H. Blauvelt. il Ptr Ink M 9:33+ O '24
Shipment of samples and advertising matter to Latin America and the West Indies. R. P. Wakefield. U S Bur For & Dom Com Trade Information Bul 250:1-54 '24
Sun-maid advertising influences Danish politics. G. Elley-Hansen. Ptr Ink 128:65-6 S 18 '24

ADVERTISING, Fraudulent
Advertised free offers are under fire. Ptr Ink 129:133-4+ O 23 '24
Daylight cure for blue-sky promotions. R. D. Simmons. Ptr Ink M 9:41-2 Ag '24
Furniture industry warned against continuing fraudulent advertising practices. Ptr Ink 127:107-8 Ap 3 '24
How the Federal trade commission curbs false advertising. Ptr Ink 125:78+ N 8 '23
How to prevent crooks from stealing a billion dollars a year by use of mails. Ptr Ink 125:61-2+ D 6 '23
Report of fraudulent advertising committee of I.B.A. Comm & Fin Chr 119:1560-1 O 4 '24
Why and how patent advertising is censored. Ptr Ink 129:41-2+ O 9 '24
See also Advertising ethics

ADVERTISING, Indirect
Indirect selling brings direct returns. Ptr Ink 126:173-4 Ja 10 '24
Selling cellarless houses to sell heating equipment. Ptr Ink 126:126+ Mr 6 '24

ADVERTISING, Institutional
Advertising the product that can't be advertised; continuous use of small space in business papers for Fitzsimons steel shafting. R. W. Johnson. Sales Management 7:1764+ N '24
Beware of the business muckraker! A. Stote. Ptr Ink 127:10+ Ap 24 '24
Bond house tests the value of good-will copy. Ptr Ink 126:94+ Mr 13 '24
Coco-cola's new method of beating imitators. Ptr Ink 128:10+ S 18 '24
Glass pockets in business. D. E. Wheeler. Ptr Ink M 8:52+ Ja '24
How big business can get a square deal from public. R. Budd. Ptr Ink 129:3-4+ O 2 '24
How you can use a history in your business. J: A. Murphy. il Ptr Ink M 9:27-8+ S '24
So Ford is advertising. F. Russell. Ptr Ink 128:41-2+ Jl 17 '24
Swift explains its advertising policy. Ptr Ink 126:165+ Mr 13 '24
Walter C. Teagle—an unorthodox captain of industry. E: Hungerford. Ptr Ink M 8:36-8 Mr '24
What three years of advertising did for Squibb's sixty-five-year-old trade-mark. J: M. Van Horson. Ptr Ink 126:73-4+ Mr 20 '24
See also House organs

ADVERTISING, Legal. See Legal advertising

ADVERTISING, Mail
Advantages offered to advertisers by air mail service. Ptr Ink 127:10+ My 29 '24
Advice on direct mail for the advertiser in the industrial field. Ptr Ink 125:101-2 D 27 '23
Are folks afraid to sign your return cards? M. Droke. Ptg Art 42:453-5 Ja '24
Bandying the black art in direct-mail selling. E. R. Roeder. Ptg Art 42:349-50 D '23
Better advertising, rather than more of it. Ptr Ink 129:41-2+ N 6 '24
Boomerang of direct returns. R. E. Ramsay. il Inland Ptr 73:913-16 S '24
Circular advertising. S. Eaton. Ptg Art 43: 250-3 My '24
Delco-light installs direct mail to help dealers turn prospects into customers. Ptr Ink 126:82+ Mr 27 '24
Direct-mail campaign that increased number of accounts 80 per cent. J. Kling. Ptr Ink M 8:41-2 F '24
Direct-mail makers in action. R. E. Ramsay. il chart Inland Ptr 74:97-100 Q '24

ADVERTISING, Mail—*Continued*

Direct mail "pepper sauce" that whets the reader's appetite. Sales Management 7:1399-1400 Ag '24

Direct mail that does double duty; dealer literature that goes through to the consumer. L. Mansfield. Ptr Ink 129:128+ O 30 '24

Does sending printed matter ahead of salesmen steal their "thunder"? Sales Management 6:627-8+ Mr '24

Elementary observations on direct-mail advertising. C: A. Bates. Ptg Art 43:227-9 My '24

Fewer calls to get new dealers. B. A. Fueglein. Ptr Ink M 9:82+ Ag '24

First-person advertising that brought a new slant to bank's advertising. Ptr Ink 126:84+ Ja 24 '24

$500 mail campaign that brought back $24,000 worth of orders. Sales Management 7:1529 S '24

Getting under the skin of the critical industrial prospect; Tide Water campaign. J. T. Jones. Ptr Ink M 8:90+ Ja '24

Handling the research work in typical direct advertising campaigns. R. E. Ramsay. Inland Ptr 73:413-16 Je '24

How a direct-mail campaign is sold to salesmen and retailers. C. Stirling. Ptr Ink M 8:40-2+ Ap '24

How a distributing system for Oliver oil-gas burner grew from mail-order advertising. G. A. Nichols. Ptr Ink 126:157-8+ Ja 10 '24

How circularising can help the retail electrical trade. E. N. Simons. Elec R (Lond) 95: 460-1 S 26 '24

How Packard Electric balances business-paper and direct-mail advertising. J. C. Bowman. Ptr Ink 125:69-70 D 20 '23

Increasing direct advertising returns. F. McNaughton. 220p Selling aid, 1304 Jackson blvd., Chicago '23

Injecting a personality into selling by mail; Rust craft publishers' greeting cards. E. D. Chase. il Ptr Ink M 8:60+ Je '24

Keeping memory green between salesmen's visits. Ptr Ink 127:64+ My 8 '24

Larvex corporation mailing piece sold seven thousand orders to retail druggists. N. Lewis. Sales Management 7:1779 N '24

Making it easy for retailers to send fill-in orders. A. H. Van Voris. Ptr Ink M 9:82+ N '24

Planning, designing and selling an advertising and merchandising campaign. R. E. Ramsay. Inland Ptr 73:757-60 Ag '24

Postmaster tells how to increase direct-mail returns. L. Anson. Ptr Ink 126:3-4+ Ja 10 '24

Printed salesmanship—how it works. H. K. Dirlam. il Ptg Art 44:49-55 S '24

Printer's advertising campaign. E: C. Sterry. Inland Ptr 73:406-8 Je '24

Science of marketing by mail. H. J. Buckley. Forbes 13:391-2, 511-12+ Ja 5, F 2 '24

Selling by mail saves business when traditional selling methods failed. Ptr Ink M 8:55 Ap '24

Should the printer adopt advertising's unloved stepchild? L. K. Davis. Ptg Art 43: 49-55, 152-8, 254-60 Mr-My '24

Sidetracking dealer resistance for jobbers' salesmen; Lupton auto parts storage. Ptr Ink 126:137-8 F 7 '24

Slide rule copy vs. human interest in direct mail. D: H. Colcord. il Sales Management 7:1783-4+ N '24

Specific duties of successful printed salesmen. N. M. Sweet. Ptg Art 44:261-3 N '24

Three direct-by-mail ideas that sell merchandise. J: T. Bartlett. J Elec 51:419 D 1 '23

Through the dealers' spectacles with direct mail. D. M. Hubbard. il Ptr Ink M 8:67-8 My '24

Van Voris checks on direct-mail advertising. A. H. Van Voris. il Ptr Ink M 8:31-2+ Je '24

What to expect from direct mail advertising. D: H. Colcord. Sales Management 6:687-8+ Mr '24

When you start out to sell your service. R. E. Ramsay. Inland Ptr 74:237-40 N '24

Whom shall the printer first approach? C: A. Bates. Ptg Art 44:247-9 N '24

Why national advertising pays. J. S. Sleeper. Brick & Clay Rec 65:604-6 O 28 '24

World's greatest salesman. N. M. Sweet. il Ptg Art 44:56-60 S '24

See also Advertising—Inquiries; Catalogs; Follow-up systems; Mail order business; Mailing lists; Printing trade—Advertising service; Sales letters; *also* Direct mail advertising association

Testing

How we test our mail campaigns as we go along. J: C. Sweeney. Sales Management 6:389-90 Ja '24

ADVERTISING, National

Advertising that has taught consumers better buying habits; furniture industry. L. S. Arthur. Ptr Ink M 7:23-4+ D '23

Are retailers unable to appreciate real purpose of advertising? W: L. Day. Sales Management 7:1423-4 Ag '24

Dealer tells why some advertisers are "in Dutch" with him. G. T. Kernahan. Sales Management 7:1507-8+ S '24

Dealer who is afraid of national advertising. J. R. Sprague. Ptr Ink M 7:17-18+ D '23

Flash of red that won national distribution for Jantzen. Sales Management 7:1737-8 N '24

How we got away from price bickering in selling. F. R. Plumb. Sales Management 6: 529-30+ F '24

Iron Clad's reward for consistency in advertising. R. J. Klaiber. Ptr Ink 128:148+ S 25 '24

Magnifying the infusoria of industry. A. Belden. Ptr Ink 127:41-2+ Je 5 '24

Manufacturer's or dealer's name—which counts most? A. Osborn. Ptr Ink 128:3-4+ S 25 '24

Opportunity knocks at the door—advertising sells it; a five-year drive by the Wheeler, Osgood co. Ptr Ink 126:17-19 Mr 20 '24

Retail advertising that capitalizes on national advertising. Ptr Ink M 9:72+ Ag '24

Saunders Norvell defines his stand on national advertising. Sales Management 6:379-80 Ja '24

What does the jobber think of national advertising? C. B. Larrabee. Ptr Ink M 9:31-2+ O '24

What happened to private brands when the slump came. R. B. Simpson. Sales Management 7:1512+ S '24

What many critics of advertising fail to understand. C. Bold. Sales Management 6:639-40 Mr '24

Why national advertisers are "in Dutch" with some retailers. Sales Management 7:1211-12+ Jl '24

Why we began advertising after a century of selling. E. V. Connett. Sales Management 7:1711-12 N '24

See also Association of national advertisers

ADVERTISING, Outdoor

Outside view of outdoor advertising. il Dom Eng 106:17-19 F 9 '24

See also Billboards; Electric signs; Posters; Show cards; Show windows; Skywriting

ADVERTISING, Professional. See Professional advertising

ADVERTISING, Radio. See Radio advertising

ADVERTISING, Soliciting of

Day of the data book in selling. J. H. Collins. Ptr Ink 127:117-18+ Je 19 '24

How one newspaper secured farm sales advertising. N. J. Radder. il plan Inland Ptr 73:433-5 Je '24

How to deal with the "me-too" advertising solicitor. Ptr Ink 127:17-18 Ap 3 '24

Space pedler, dope pedler and digger. J. H. Collins. Ptr Ink 128:49-50+ Jl 3 '24

ADVERTISING agencies

Accounts I have refused and why. J. H. Collins. Ptr Ink 126:3-4+ Mr 13; 33-4+ Mr 20; 121-2+ Mr 27 '24

ADVERTISING agencies—*Continued*
Advertising agency's overhead. Ptr Ink M 8:19-20+ Mr '24
Agency organization to reach secondary markets. J. H. Collins. Ptr Ink M 8:25-6+ My '24
Art director's sphere of influence in an advertising agency. Ptr Ink 126:106-8+ F 7 '24
Choosing the agency to handle your British campaign. J. C. Aspley. il Sales Management 7:1277-8+ Jl '24
Cut out the waste in space buying; closer co-operation between the agency research department, the account executive and the space buyer. R. Crothers. Ptr Ink 127:133-4+ Ap 17 '24
In conference. W: E. Hyde. Ptg Art 43:146-8 Ap '24
Just where should an advertising agency's service stop? C. Bold. Sales Management 7: 1715-16 N '24
Modern advertising agency and its contribution to creative wealth activities. H. H. Kynett. Ann Am Acad 115:183-9 S '24
Origin and development of the advertising agency. D. A. Ruebel. Sales Management 6:419-20+, 667-8+, 935-6+ Ja, Mr, My '24
Report of agency relations committee. Ptr Ink 125:146+ N 22 '23
Should the printer adopt advertising's unloved stepchild? L. K. Davis. Ptg Art 43:49-55, 152-8 Mr-Ap '24
Stop blaming the advertising man for sins he doesn't commit. C. Bold. Sales Management 7:1355-6 Ag '24
Time has come for forward step in business-paper publishing; cooperation with advertising agencies. A. E. Haase. Ptr Ink 129: 17-20 N 6 '24
What does an advertising agency do for the money it gets? Sales Management 7:1622+ O '24
When an advertising agent wants to borrow money at the bank. Ptr Ink 125:41-2+ N 29 '23
When shall agencies bill clients? Ptr Ink 126: 20 Mr 6 '24
Why the advertising business should drop defensive tactics. Ptr Ink 125:105-6 N 29 '23
Woman's chance in advertising agency work. Ptr Ink 127:153+ My 1 '24

Finance

What profit should an advertising agency earn? Ptr Ink 127:125-6 Ap 17 '24

Law

What is the legal status of the advertising agent? Ptr Ink 125:10+ N 22 '23

Layout

Floor plan of an advertising agency. Ptr Ink M 8:19-20+ Mr '24

ADVERTISING and bankers
Advertising good-will in the balance sheet. E. E. Calkins. Am Bankers Assn J 16:493-4+ F '24; Same. Ptr Ink 126:121-2+ F 28 '24
Bankers back dairymen in big advertising effort; Wisconsin cheese producers. C. M. Harrison. Ptr Ink 126:41-2+ Ja 3 '24
Bankers should not loan money specifically for advertising. Ptr Ink 127:33-4+ Je 12 '24
Bankers' views on advertising as an asset to be considered in making loans. J: W. Prentiss. Manuf Rec 85:89-90 Je 5 '24
S. G. H. Turner of Elmira—the home-town boy who made good. E: Hungerford. Ptr Ink M 7:27-8+ D '23
When the manufacturer wants to borrow money for advertising. R. Cole. Ptr Ink 128:3-4+ S 11 '24

See also Bank advertising

ADVERTISING and employees
Advertising campaign that is conducted by the workers. J: T. Bartlett. Ptr Ink M 8: 108+ F '24
United States rubber company's advertising exhibit. A. Belden. Ptr Ink M 8:112+ Ja '24

ADVERTISING and prices. See Advertising—Economic aspects

ADVERTISING and salesmen
Adler salesmen help teach dealers the fundamentals of advertising. E. Wolff. Ptr Ink 126:17-19 Mr 27 '24
Advertising built by and for salesmen. W. F. Tuttle. Ptr Ink 126:183-4 F 7 '24
Balance advertising expenditure and sales effort. A. H. Deute. Ptr Ink M 8:57+ Je '24
Eight letters you can use to sell the advertising idea to a sales force. R. H. Strickland. Sales Management 6:499-500+ F '24
Follow through in advertising. M. Harlan. Ptr Ink M 8:43-4+ My '24
Growing the advertising message in the sales field. R. Barstow. Ptg Art 44:33-6 S '24
How Ide sells its salesmen on each new model. I. Fleming. Ptr Ink 128:17-19 S 25 '24
Letter that welded our advertising to our sales plan; selling Van Heusen collars. J. Ewing. il Sales Management 6:921-2+ My '24
Put advertising in the industrial salesman's sales-kit. H. W. Clarke. Ptr Ink 127:127-8+ Je 26 '24
Should the sales manager blue pencil the advertising copy? M. K. Powers. Sales Management 7:1577-8+ O '24
What advertising has done for the American salesman. Sales Management 7:1635+ O '24
Who should sell advertising to the salesman? Ptr Ink 125:133 N 22 '23
Widening the advertising panorama of the sales force. D. Hubbard. Ptr Ink 127:25-6+ Je 12 '24

See also Advertising portfolios

ADVERTISING appropriations
Budgeting advertising expense. J. L. Palmer. Management & Adm 8:395-6 O '24
Estimate of newspaper advertising appropriations. Ptr Ink 129:155-6 N 6 '24
Exploration of industrial advertising. C: Noble. Ptr Ink 129:17-20 O 9 '24
How industrial advertisers distribute appropriations. Ptr Ink 126:88 F 21 '24
How to raise the money for community advertising. J: A. Murphy. Ptr Ink 127:105-6+ My 15 '24
Is advertising a nurse or a bartender? A. Osborn. Ptr Ink 125:3-4+ D 20 '23
Recapitulation of "eleven ways to build an advertising appropriation." Ptr Ink 126:57-8+ Ja 17 '24
Slush funds or advertising appropriations? Ptr Ink 129:95-6 O 30 '24
Small advertising appropriation markets a fruit new to the trade; Satsuma oranges. Ptr Ink 126:119-20 Ja 24 '24
What one hundred concerns spent for advertising last year. Sales Management 6:633-4 Mr '24
Wisdom of the long-term advertising appropriation. Ptr Ink M 9:48 O '24

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ADVERTISING as a profession
Woman's chance in advertising agency work. Ptr Ink 127:153+ My 1 '24

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ADVERTISING campaigns

Definition

What is a general advertising campaign? dispute between New York newspaper publishers and typographical union. Ptr Ink 128:64+ S 4 '24

ADVERTISING cards. See Show cards

ADVERTISING characters
Adding another salesman with an advertising character. Ptr Ink 128:144 Jl 24 '24
Gold Dust twins and the Little Fairy stage a return engagement. B. A. Grimes. il Ptr Ink 125:25-7 O 18 '23
Importance of portraying true characters in advertising. il Ptr Ink 127:73-4+ My 8 '24
Making the trade character a hardworking salesman. E. B. Weiss. Ptr Ink M 9:24-5+ O '24
Mistakes of Sunny Jim seen in the light of modern advertising. H: P. Werner. Ptr Ink 129:3-4+ O 23 '24

ADVERTISING characters—*Continued*
Realism in advertising character studies. W. L. Larned. il Ptr Ink M 8:26-7+ Je '24
Southern lumber dealer finds the way to sell the thing beyond. Ptr Ink 127:133-4 Ap 10 '24
When Uncle Sam is the hero of the advertisement. A. L. Townsend. il Ptr Ink 125:133-4+ N 1 '23

ADVERTISING clubs
What an advertising club should be. D. Francisco. Ptr Ink 127:108 Je 12 '24
See also Associated advertising clubs of the world; Pacific coast advertising clubs association

ADVERTISING contracts
Advertiser liable for advertising contract made by fiscal agent. Ptr Ink 128:119-20 Ag 28 '24

ADVERTISING conventions
Miniature advertising conventions four times a year. Ptr Ink 129:105-8 O 23 '24

ADVERTISING departments
Hooking up advertising to sales in the industrial field; a small sales territory attached to the advertising department. Ptr Ink 126:121-2 F 7 '24
Outfitting the direct advertising department from the data standpoint. R. E. Ramsay. Inland Ptr 72:939-42; 73:581-4 Mr, Jl '24
See also Advertising managers; Advertising policies

Art directors
Roughing it with the visualizer. D. M. Jones. Ptr Ink 128:33-4+ Jl 10 '24

ADVERTISING ethics
Advertising—once again; Christmas greetings. Am Inst Arch J 11:445-6 N '23
Burson knitting sues Associated advertising clubs. Ptr Ink 127:157-8 My 15 '24
Coordinating fraud-fighting agencies of industry. B. Shinn. Oil Paint & Drug Rep 106:61-2 O 29 '24
High pressure selling methods are the earmarks of questionable securities. K. Barnard. Ptr Ink 126:115-16+ Mr 6 '24
Is advertising ethical when it runs counter to the spirit of the prohibition amendment? W. L. Larned. Ptr Ink 126:33-4+ F 7 '24
Is it ethical to point out weaknesses of competitors? W. B. Leach. Ptr Ink 127:137-8+ Je 26 '24
Keeping Montgomery Ward's copy within bounds of truth. T. F. Merseles. Ptr Ink 128:108+ Jl 31 '24
Misdescription in the textile trades. A. E. Garrett. Textile Inst J 15:P515-21 O '24
Public invited to take hand in furthering truth-in-advertising. Ptr Ink 126:54+ Ja 31 '24
Shall advertising walk in stocking feet or hob-nailed boots? R. Giles. Ptr Ink 127:17-20 Ap 10 '24
Truth-in-advertising movement as it affects the wealth-producing factors in the community. H. J. Donnelly, jr. Ann Am Acad 115: 161-73 S '24
What are high pressure methods in security selling? W. E. Severance. Ptr Ink 126:111-12 Mr 6 '24
See also Advertising, Fraudulent

ADVERTISING managers
Advertising manager—sales manager—marketing manager. J: Sullivan. Ptr Ink 126: 61-2+ Mr 6 '24
Worth of an advertising manager depends on himself. Sales Management 6:782-4 Ap '24

Salaries
What is a fair average salary for an advertising manager? Sales Management 6:781-2 Ap '24

ADVERTISING mediums
Agencies plan marketing research on a national scale. Ptr Ink 129:70+ O 23 '24
Blackmail advertising. Ptr Ink 127:33-4+ My 29 '24
Cut out the waste in space buying; closer co-operation between the agency research department, the account executive and the space buyer. R. Crothers. Ptr Ink 127:133-4+ Ap 17 '24
Example of scientific marketing procedure. S. Cowan. Taylor Soc Bul 9:149-51 Je '24
Farm publishers lay plans for market development; adopt code of ethics. Ptr Ink 129: 113-14+ O 23 '24
How to deal with the "me-too" advertising solicitor. Ptr Ink 127:17-18 Ap 3 '24
How to handle a hold-up advertising request. Ptr Ink 126:74 Mr 6 '24
Leaks in banking—how to stop them; by cutting out worthless advertising. W. R. Morehouse. Am Bankers Assn J 16:638-9+ Ap '24
Quality or quantity circulation. D. D. Patterson. Inland Ptr 74:214-15 N '24
Shall we readjust the blindfold which the Audit bureau has stripped off? C. Bold. Sales Management 7:1601-2 O '24
Some light on the hazy subject of thin circulation. C. Bold. Sales Management 6:787-8 Ap '24
What rate cards and circulation statements fail to show. C. Bold, pseud. Sales Management 6:397-8 Ja '24
Why not start an advertising sheet in your town? J. A. Dixon. Ptg Art 43:331-5 Je '24
See also Advertising—Rates; Audit bureau of circulations; Blotters; House organs; Moving pictures in advertising

Children's periodicals
Talking to the younger generation in its own language. il Ptg Art 43:529-37 Ag '24

Menus
Menu—a neglected advertising vehicle. F. D. Rotellini. Ptg Art 43:39-41 Mr '24

Motor trucks
Overlooked advertising idea. R. C. Rockafellow. il Ptr Ink M 9:67 Jl '24

Newspapers
Breaking a deadlocked market with newspaper advertising. J. True. Ptr Ink 128:156+ Jl 24 '24
How American Radiator picked 600 newspapers for sales drive. J. M. Mosely. Sales Management 6:428 Ja '24
Newspaper advertising. Gas Age 53:257-8 Mr 1 '24
Newspaper advertising that paid. W. P. Dwyer. il Brick & Clay Rec 64:343-4 Mr 4 '24
Newspaper code of ethics adopted as aid to business. Ptr Ink 127:53-4+ Je 19 '24
Newspaper convention seen through the advertiser's eye. Ptr Ink 127:113-14+ My 1 '24
Safeguarding illustrations from recent rules against heavy blacks. Ptr Ink 127:61-2+ Je 5 '24
Utilities to spend eleven million on advertising. W. P. Strandborg. Gas Age 53:823-6 Je 14 '24

Periodicals
Launching the motor-boat magazine campaign. il Ptg Art 43:241-9 My '24
Outdoor sports magazines. il Ptg Art 42:535-47 F '24
Question of ethics; advertising in architectural journals. C. H. Blackall. il Am Arch 125:21-2 Ja 2 '24
Radio magazines. Ptg Art 43:31-8 Mr '24
Teeing off from the golf audience. il Ptg Art 43:340-7 Je '24

Programs
Tying up advertising. Am Gas J 121:635+ Jl 12 '24

Radio broadcasting
See Radio advertising

Trade journals
Automotive trade journals in high on the upgrade. il Ptg Art 44:155-61 O '24
How Packard Electric balances business-paper and direct-mail advertising. J. C. Bowman. Ptr Ink 125:69-70 D 20 '23

ADVERTISING mediums—Trade journals—*Cont.*
How the electrical-journal field generates power. il Ptg Art 43:437-45 Jl '24
Industrial magazines. il Ptg Art 43:131-9 Ap '24
Story-tellers' club in business-paper advertising. W. L. Larned. Ptr Ink M 8:35+ Mr '24
Trade copy gets display for Williams shaving products. Ptr Ink 129:196+ O 16 '24
When advertising's theme is the home beautiful. il Ptg Art 44:37-43 S '24
Why and wherefore of inserts in business-paper advertising. Ptr Ink 126:81-2+ Ja 3 '24

ADVERTISING men
Advertising man of 1923. H. Eckhardt. Ptr Ink 128:77-8+ S 18 '24
What manner of man is this advertising person? G. Kinney. Ptr Ink 125:105-6 N 15 '23

Selection
Why buy a pig in a bag? examination for insurance advertising men. C. Belden. Ptg Art 44:45-8 S '24

ADVERTISING novelties
Builds goodwill by giving unselfish aid to consumers; McKinney forethought plans for fitting furniture. R. Leigh. Ptr Ink M 9:116+ Ag '24

ADVERTISING policies
Business as usual. D. Gridley. Ptr Ink 128: 33-4+ Jl 24 '24
Factory manager's part in shaping sales policies. M. K. Powers. Factory 33:525-6+ O '24
Five pointers that eliminated hit-or-miss advertising. H. B. Cheney. System 46:278-80 S '24
An industrial advertising policy that built sales of millions. R. C. Beadle. Ptr Ink 129: 143+ O 23 '24
Orphan product acquires a name and caste through advertising; Big Yank work shirts. E. Whitmore. il Sales Management 7:1221-2+ Jl '24
Should the advertising precede or follow distribution? W: J. Reilly. map Sales Management 7:1245-6 Jl '24
To make advertising perform its maximum service; get real story, then stick. Ptr Ink 128:107-8 Ag 21 '24
When does it pay to change marketing policies? D. G. Miller. Ptr Ink M 8:43-4+ Ap '24
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ADVERTISING portfolios
Making the advertising portfolio a dealer's sales manual. R. Crothers. il Ptr Ink M 8: 39-40 Mr '24
Should the advertising portfolio stick to advertising? E. B. Weiss. Ptr Ink M 9:43-4+ Jl '24
This portfolio increased our jobber sales ten times. E. J. Heimer. il Sales Management 7:1238+ Jl '24

ADVISORY board on highway research. See National research council—Advisory board on highway research

AERATION of sewage. See Sewage disposal—Activated sludge method

AERATION of water. See Water aeration

AERIAL fish patrol. See Fish patrol, Aerial

AERIAL maps. See Surveying, Aerial

AERIAL photography. See Photography, Aerial

AERIAL surveying. See Surveying, Aerial

AERIAL tramways. See Cableways

AERODYNAMIC balances
Six-component wind balance. A. F. Zahm. il diags U S Nat Advisory Com for Aeronautics 1922:383-95 '23

AERODYNAMIC laboratories
Case for the revival of the water channel. N. S. Norway. Roy Aeronautical Soc J 28: 647-52 N '24
Ergebnisse der aerodynamischen versuchsanstalt zu Göttingen. diag Zeit Ver Deutsch Ing 68:1155-6 N 1 '24
Work of the Goettingen aerodynamic laboratory. Review by A. Klemin. Aviation 16:619-20 Je 9 '24
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Study aluminum hard spots. A. J. Lyon. Foundry 52:396-7 My 15 '24

ALUMINUM hydroxide
Further studies of water purification by filters charged with aluminum or ferric hydroxide. H. W. Clark. N E Water Works Assn J 38: 84-93 Mr '24; Same. Eng & Contr (W W) 61:567-71 Mr 12 '24
Hydrogen-ion concentration and soluble aluminium in filter plant effluents. W: D. Hatfield. Am Water Works Assn J 11:554-63 My '24
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Stability of colloidal solutions; aluminium hydroxide suspension. K. C. Sen. J Phys Chem 28:1029-35 O '24

See also Diaspore

ALUMINUM industry
Aluminum industry in America. Metal Ind 22:450 N '24
Aluminum industry trend is to the South. Manuf Rec 86:75-7 Ag 28 '24
Aluminum manufactures in the United States in 1923. Econ W n s 28:484 O 4 '24
Conditions in the German aluminum industry. Econ W n s 28:10-11 Jl 5 '24

ALUMINUM oxide. See Alumina

ALUMINUM powder
Hazard of flammable dust shown in a recent explosion of aluminum powder. D: J. Price and R. M. Baker. il diags plans Chem & Met Eng 29:878-82 N 12 '23

ALUMINUM silicates

See also Bentonite; Kaolin; Sillimanite

ALUMINUM sulfate
Alum and alum cake. Chem Age (Lond) 11: sup11 S 20 '24

See also Alum

Manufacture

Cutting cost with continuous operation; the manufacture of alum. G. E. Walker. flow sheet il diag Chem & Met Eng 31:776-80 N 17 '24

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Colorless fat-splitting reagent. Chem Age 32: 280 Je '24

ALUNDUM
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Clothing workers—Philadelphia. Monthly Labor R 19:596 S '24

AMALGAMATED press
Results of the year's activities. Economist 99: 356-7 Ag 30 '24

AMALGAMATION
Centrifugal force and amalgamation. Eng & Min J 117:274-5 F 16 '24
Difficulties of intensive amalgamation. L: M. Kellogg. diags Eng & Min J 117:966-9 Je 14 '24
McBride amalgamation process uses novel machine. J. W. Neill. il Eng & Min J 117: 825 My 17 '24

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Barium and strontium amalgam electrodes. P. S. Danner. diags Am Chem Soc J 46: 2385-90 N '24

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AMERICAN and continental corporation
Corporation organized to finance industrial enterprises in Europe. Bankers M 109:939-40 N '24

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AMERICAN association of advertising agencies
Annual convention, 8th, Chicago, Oct. 16-17. Ptr Ink 129:70+ O 23 '24
What the American association of advertising agencies does to make advertising scientifically more effective. S. Resor. Ann Am Acad 115:124-9 S '24

AMERICAN association of engineers
American association of engineers. C. E. Drayer. Eng & Min J 116:903-4 N 24 '23

AMERICAN association of engineers—*Continued*
Amplification of ideals and objects. Prof Eng 9:7-8 My '24
Annual convention, 10th, San Francisco, June 11-14. Prof Eng 9:3-31 Jl; 9-13 Ag '24; Eng N 92:1060-2 Je 19 '24
Chapter activities. V. D. Cousins. Prof Eng 9: 19-21 Ag; 15-17+ S '24
Confessions of an active director. Prof Eng 9:8-9 Mr '24
Organization and the engineer. J. B. Wiles. Prof Eng 8:9-10 D '23
Our faith and our principles. W. L. Benham. Prof Eng 8:5-6 D '23
Year of progress. W. L. Benham. Prof Eng 9:17-24 Je '24

AMERICAN association of ice and refrigeration
Annual meeting, 13th, Washington, March 20-21. Refrig W 59:13-26 Ap '24

AMERICAN association of industrial physicians and surgeons
Address. L. A. Shoudy. J Ind Hygiene 6:169-73 S '24
Annual report of the secretary-treasurer. J Ind Hygiene 6:40-4 My '24

AMERICAN association of oil burner manufacturers
Annual convention, 1st, St Louis, April 1-3. Sheet Metal Worker 15:228-9 Ap 11 '24; Dom Eng 107:41-2+ Ap 12 '24; Nat Pet N 16:20-1 Ap 9 '24; Sanitary & Heat Eng 101:260-1+ Ap 18 '24; Heat & Ven 21:59-63 My '24

AMERICAN association of paper specialty manufacturers
How an association operates; code of practice. Paper 34:343 Je 12 '24

AMERICAN association of petroleum geologists
James H. Gardner of Tulsa president of geological association. P. Wagner. Nat Pet N 16:39-40 Ap 2 '24

AMERICAN association of railroad superintendents
Annual convention, 31st, Buffalo, N.Y., June 18-20. Ry Age 76:1813-24 Je 28 '24; Ry R 74:1249-51 Je 28 '24
Suggestions for improving work, train service and efficiency; report submitted at 1924 convention. Eng & Contr (Ry) 62:855-9 O 15 '24

AMERICAN association of state highway officials
Convention, New Orleans, Dec. 3-6. Eng N 91:982-4, 991-2 D 13 '23

AMERICAN association of textile chemists and colorists
Annual meeting, 3d, Providence, Dec. 7-8. Am Dyestuff Rep 13:45-68 Ja 28 '24
1924 year book. 210p Howes publishing co., New York '24

AMERICAN association of woolen and worsted manufacturers
Annual meeting, 17th, New York, Dec. 5. Textile World 64:3433-4+ D 8 '23
Semi-annual meeting, New York, July 15. Textile World 66:347+ Jl 19 '24

AMERICAN automobile association. See New American automobile association

AMERICAN bankers' association
Annual convention, 50th, Chicago, Sept. 29-Oct. 2. Am Bankers Assn J 17:191-4+ O '24; Bradstreet's 52:637 O 4 '24; Comm & Fin Chr 119:1588 O. 4; 87-186 sec 2 O 18 '24; Bankers M 109:729-67 O 31 '24
Annual spring meeting of the Executive council, Augusta, Ga., April 27-May 1. Comm & Fin Chr 118:2403-4 My 17 '24
Regional meetings, New York, April 24-25. Comm & Fin Chr 118:2143-4 My 3 '24

Trust company division
First regional trust company conference. Comm & Fin Chr 117:2617-18 D 15 '23

AMERICAN bar association
Rising tide of crime dealt with at convention. Comm & Fin Chr 119:415-16 Jl 26 '24

AMERICAN boiler manufacturers' association
Annual convention, 36th, Hot Springs, Va., June 9-11. Power 59:1011-12 Je 17 '24

AMERICAN brake shoe and foundry company
American brake shoe & foundry co. common stock. Moody's Inv Serv 16:288 Jl 24 '24

AMERICAN can company
Small industrial plant generates current at low cost; combined heating and generating. il Power 60:754-6 N 11 '24

AMERICAN car and foundry company
Annual report, 25th, for fiscal year ending April 30, 1924. Comm & Fin Chr 118:3213 Je 28 '24

AMERICAN ceramic institute (proposed)
Ceramic institute should be a federation of several specific institutes. R. D. Landrum. Am Cer Soc J (Bul) 7:398-9 O '24

AMERICAN ceramic society
Annual meeting, Atlantic City, Feb. 4-7. Chem & Met Eng 30:266-70 F 18 '24; Iron Tr R 74:493-4 F 14 '24; Brick & Clay Rec 64: 261-9 F 19 '24; Iron Age 113:596-7, 652 F 21-28 '24
Some of the 1923 workers. Am Cer Soc J (Bul) 7:11-44 Ja '24

AMERICAN chemical society
Abstracts of papers read before gas and fuel section of American chemical society convention. Am Gas J 121:1158 N 8 '24
Classified membership in the A.C.S. F: C. Nonamaker. Chem Age 32:68 F '24
Meeting, 67th, Washington, D.C., April 21-24. Chem and Met Eng 30:658-61 Ap 28 '24; Gas Age 53:605-6 My 3 '24
Petroleum division meeting, Ithaca. Nat Pet N 16:38-9 S 17 '24; Pet Age 14:16-17+ S 1 '24
Prospects and retrospects. L. H. Baekeland. Ind & Eng Chem 16:1077-9 O '24
Review of important papers presented before seven of the divisions of the A. C. S. in Washington. Chem & Met Eng 30:707-14 My 5 '24
68th meeting, Ithaca, Sept. 8-13. Oil Paint & Drug Rep 106:19+ S 15; 20+ S 22 '24; Blast F & Steel Pl 12:440, 483 S-O '24; Chem & Met Eng 31:452-6 S 22 '24

Dye division
Abstracts of papers presented before the Dye division of American chemical society meeting, Washington, April 21-26. Color Tr J 14:154-7 My '24; Am Dyestuff Rep 13:290+ My 5 '24

AMERICAN concrete institute
Annual convention, 20th, Chicago, Feb. 25-28. Concrete 24:113-19 Mr '24; Eng N 92:419-20 Mr 6 '24

AMERICAN construction council
Annual meeting, 3d, New York, Oct. 2-3. Eng N 93:605 O 9 '24
Annual meeting, 3d, New York city, October 2-3. D. K. Boyd. Am Inst Arch J 12:488-9 N '24
Construction council policy. Can Eng 45:544 D 4 '23
Statement issued through council's president. F. D. Roosevelt. Arch Forum 41:67-8 Jl '24

AMERICAN cotton manufacturers' association
Annual convention, 28th, Atlantic City, May 26-27. Textile World 65:3557-8+ My 31 '24; Manuf Rec 85:73-7 My 29 '24
Committee reports at A.C.M.A. convention. Textile World 65:3580+ My 31 '24

AMERICAN cotton oil company
Discussion of American cotton oil 5s, 1931. Moody's Inv Serv 16:359 S 25 '24

AMERICAN drug manufacturers' association
Annual convention, 13th, New York, April 7-10. Oil Paint & Drug Rep 105:44c-f Ap 14 '24
Annual meeting, Washington, Dec. 6. Oil Paint & Drug Rep 104:44c D 17 '23

AMERICAN electric power company
Annual report, 25th, 1923. Comm & Fin Chr 118:1282-3 Mr 15 '24

AMERICAN electric railway accountants' association
Annual convention, 27th, Atlantic City, Oct. 4-7. Elec Ry J 64:697-703 O 18 '24

AMERICAN electric railway association
Annual convention, Atlantic City, Oct. 6-11. Elec Ry J 64:583-633 O 11 '24; Bus Transportation 3:501-7 N '24
Mid-year meeting, St. Louis, March 4. Elec Ry J 63:363-86 Mr 8 '24
Report of executive secretary of activity and accomplishments during the year. Aera 13: 458-86 O '24
Year's work reviewed. B. I. Budd. Elec Ry J 64:579-80 O 11 '24; Same. Aera 13:335-9 O '24

Metropolitan section

Organization meeting of the Metropolitan section, New York city, Sept. 23. Aera 13: 736-42 N '24; Elec Ry J 64:558-9 O 4 '24

AMERICAN electric railway claims association
Annual meeting, Atlantic City, Oct. 6-10. Elec Ry J 64:683-96 O 18 '24

AMERICAN electric railway engineering association
Annual convention, 43d, Atlantic City, Oct. 6-11. Elec Ry J 64:634-52 O 11 '24

AMERICAN electric railway transportation and traffic association
Annual convention, Atlantic City, Oct. 6-10. Elec Ry J 64:653-64 O 11 '24

AMERICAN electrochemical society
Annual meeting, 45th, Philadelphia, April 24-26. Chem & Met Eng 30:699-702 My 5 '24; Iron Age 113:1283+ My 1 '24; Metal Ind 22: 181-3 My '24
General meeting, 46th, Detroit, Oct. 2-4. Iron Age 114:913-14, 959-62 O 9 '24; Chem & Met Eng 31:583-8 O 13 '24

AMERICAN electroplater's society
Annual convention, 12th, Milwaukee, June 30-July 3. Metal Ind 22:223-7, 265-8 Je-Jl '24; Brass W 20:225-31 Jl '24
Short history of the American electroplaters' society. O. E. Servis. Metal Ind 22:227-8 Je '24
Twelfth annual convention program. Brass W 20:193-6 Je '24

AMERICAN engineering council (formerly Federated American engineering societies)
American engineering council. B. L. Brown. Eng N 92:376 F 28 '24
American engineering council changes. G. S. Williams. Elec W 83:397 F 23 '24
Boston engineers to withdraw from Engineering council. Eng N 92:543 Mr 27 '24
Engineering council alters names at annual meeting. Elec W 83:154 Ja 19 '24; Eng N 92:129 Ja 17 '24
Organization plan. Blast F & Steel Pl 12: 149 Mr '24; Excerpt. Am Mach 60:308b F 21 '24

AMERICAN engineering standards committee
Report, 1924. Monthly Labor R 19:708-9 S '24

AMERICAN express company
H. K. Brooks—a pathfinder in advertising. E: Hungerford. Ptr Ink M 8:32-3+ Ja '24

AMERICAN federation of labor
American federation of labor finds Republican and Democratic presidential candidates unacceptable to labor—endorses R. M. La Follette and B. K. Wheeler. Comm & Fin Chr 119:907-10 Ag 23 '24
Analysis of A.F. of L. convention. N. Sargent. Am Ind 24:31-2 N '23
Annual meeting, 43d, Portland, Oregon, Oct. 1-12. Monthly Labor R 17:1397-9 D '23

AMERICAN foreign insurance association
American foreign insurance association. H. P. Moore. Spectator 113:50-1 sec 2 Jl 17 '24

AMERICAN foundrymen's association
1924 meeting of the A.F.A. and the Institute of metals division, A.I.M.E., Milwaukee, Wis., Oct. 11-16. Foundry 52:758-61+, 835-45 O 1, N 1 '24; Am Mach 61:674b-c O 23 '24; Iron Age 114:1053-9, 1104-9 O 23 '24; Iron Tr R 75:1099-1105 O 23 '24; Metal Ind 22:389-94, 433-7 O-N '24; Brass W 20:369-75 N '24

AMERICAN fruit and vegetable shippers' association
Fruit and vegetable shippers favor carriers at 6th annual meeting held at Chicago, Jan. 5-8. Ry Age 76:253-4 Ja 19 '24

AMERICAN gas association
A. G. A. holds first board meeting of fiscal year. Am Gas J 119:641+ D 15 '23
Annual convention, 6th, Atlantic City, N.J., Oct. 13-16. Dom Eng 109:47-8 O 25 '24; Gas Age 54:545-52 O 18 '24; Blast F & Steel Pl 12:490-2+ N '24; Chem & Met Eng 31: 703-6 N 3 '24; Gas J (Lond) 168:293-4, 361-2 O 29-N 5 '24
Notes from the papers and reports at Atlantic City convention, Oct 14-18. Gas J (Lond) 164:524-5, 718-19; 165:35-6, 86, 204-5 N 21, D 12 '23, Ja 2-9, 23 '24

AMERICAN gear manufacturers' association
Annual meeting, 8th, Buffalo, N.Y., April 28-30. Mach 30:685-6 My '24; Am Mach 60:716a-b My 8 '24; Automotive Ind 50:1027-34 My 8 '24; Iron Age 113:1365-7+ My 8 '24; Iron Tr R 74:1247-9 My 8 '24
Semi-annual meeting, Briarcliff Manor, N.Y., Oct. 16-18. Am Mach 61:674a-b O 23 '24; Iron Tr R 75:1108-10 O 23 '24; Mach 31:193-4 N '24

AMERICAN institute of accountants
Report of the president of the American institute of accountants. E: E. Gore. J Account 38:321-6 N '24

AMERICAN institute of actuaries
American institute of actuaries. P. H. Evans. Spectator 113:67 sec 2 Jl 17 '24
Joint actuarial meeting. T: J. V. Cullen. Spectator 113:3-4+ N 13 '24

AMERICAN institute of architects
Annual convention, 57th, Washington, D.C., May 21-23. Am Arch 125:507-22 Je 4 '24; Arch Rec 56:89-92 Jl '24; Arch Forum 41: 44 Jl '24; Same. Eng & Contr (Bldgs) 62: 219-20 Jl 23 '24
Proposed new building of the Institute at Washington. plans Am Inst Arch J 12:406-8 S '24

Regional conferences

Locality and humility, the first regional conference of the sixth district. C: H. Whitaker. Am Inst Arch J 11:417-19 N '23

AMERICAN institute of banking
Glimpse into the future of A.I.B. S. I. Miller. il Burroughs Clearing House 8:10-11+ S '24
Student bankers convention; Baltimore meeting, July 15-18. Am Bankers Assn J 17:95-8+ Ag '24

AMERICAN institute of chemical engineers
Chemical history told in correspondence; legality of private control of dissemination of public scientific information. Chem Age 32:1-5 Ja '24
Semi-annual meeting, 16th, Denver, July 15-18. Chem & Met Eng 31:140-3 Jl 28 '24
16th annual meeting, Washington, Dec. 5-8. Chem & Met Eng 29:1072, 1089-96 D 10-17 '23; Iron Tr R 73:1619-20 D 13 '23; Oil Paint & Drug Rep 104:20 D 10 '23; Ind & Eng Chem 16:94-5 Ja '24

AMERICAN institute of chemists
American institute of chemists. Chem Age 32:69-72 F '24
Meeting of the New York chapter, June 12. Chem Age 32:275-6 Je '24

AMERICAN institute of electrical engineers
Annual convention, Chicago, June 23-27. Elec W 84:5-11 Jl 5 '24; Power Pl Eng 28:776-8 Jl 15 '24
Fortieth anniversary celebration of the A.I. E. E., Philadelphia, Feb. 4. Am Inst E E J 43:265-76 Mr '24
Midwinter convention, 12th, Philadelphia, Feb. 4-8. il Elec W 83:321-7 F 16 '24; Ry Age 76: 384-6 F 9 '24; Power Pl Eng 28:312-13 Mr 1 '24
Pacific coast convention, 13th, Pasadena, Cal., Oct. 13-17. Elec W 84:933-41 N 1 '24; J Elec 53:317-21 N 1 '24
Spring convention, 3d, Birmingham, Ala., April 7-12. Am Inst E E J 43:471-2 My '24; Elec W 83:761-8 Ap 19 '24
Technical committee annual reports 1923-1924. diags Am Inst E E J 43:749-60, 839-57, 966-79, 1083-90 Ag-N '24

AMERICAN institute of mining and metallurgical engineers
Annual field meeting. Eng & Min J 118:630-3, 668-71 O 18-25 '24; Iron Tr R 75:1106-7 O 23 '24
Annual meeting of the Institute of metals division, New York, Feb. 18-20. Metal Ind 22:95-7 Mr '24
Meeting, 129th, New York, Feb. 18-21. Coal Age 25:320-4 F 28 '24; Eng & Min J 117:331-5 F 23 '24; Oil Paint & Drug Rep 105:19+ F 25 '24
Meeting, 130th, Birmingham, Ala., October 7-17. E. E. Burchard. Manuf Rec 86:59-63 O 30 '24
Mine engineers inspect big progress in Southland. R. D. Hall. il Coal Age 26:582-7 O 23 '24
1924 meeting of the A.F.A. and the Institute of metals division, A.I.M.E., Milwaukee, Wis., Oct. 11-16. Metal Ind 22:389-94, 433-7 O-N '24; Iron Age 114:1065-6 O 23 '24
Papers and discussions of the Iron and steel division. Iron Age 113:638-42 F 28 '24; Iron Tr R 74:617-18 F 28 '24

AMERICAN institute of steel construction
Annual convention, 2d, Pittsburgh, Jan. 23-24. Iron Tr R 74:363-4 Ja 31 '24; Iron Age 113:367-70 Ja 31 '24
Annual convention, 3d, French Lick, Ind., Nov. 13-15. Iron Tr R 75:1381-4 N 20 '24; Iron Age 114:1341-3 N 20 '24

AMERICAN international corporation
Report to the stockholders at the annual meeting, April 2, 1924. Comm & Fin Chr 118: 1422-3 Mr 22 '24

AMERICAN iron and steel institute
General meeting, 25th, New York, May 23. Iron Age 113:1557-60 My 29 '24; Iron Tr R 74:1416-17 My 29 '24

AMERICAN iron, steel and heavy hardware association
Annual convention, 15th, Rye, N.Y., May 13-15. Iron Age 113:1517+ My 22 '24

AMERICAN life convention
American life convention. T: W. Blackburn. Spectator 113:39-40+ sec 2 Jl 17 '24
Meeting, New Orleans. Spectator 113:3+, 7-9 O 23 '24

AMERICAN malleable castings association
Making a reputation for quality; American malleable castings association. W: C. Lyon. Nation's Business 12:64+ My '24

AMERICAN management association
Meeting, Cleveland, Nov. 13-14. Am Mach 61: 828a N 20 '24

AMERICAN merchant marine library association
Maintaining a merchant marine library service. C. W. Shattuck. il Marine Eng 29:75-6 F '24

AMERICAN metal company, (ltd.)
American metal company. Eng & Min J 117: 389 Mr 1 '24

AMERICAN mining congress
Annual convention, 27th, Sacramento, Cal., Sept. 29-Oct. 4. Min Cong J 10:381-5, 461-2, 501-18 S-N '24; Coal Age 26:547 O 16 '24; Eng & Min J 118:589-93, 658-9 O 11, 25 '24
Purposes and achievements of the American mining congress. H. W. Seaman. Min Cong J 10:497-500 N '24

AMERICAN motion picture corporation
Great work for national betterment. R: W. Edmonds. Manuf Rec 86:97-9 Ag 7 '24

AMERICAN museum of safety, New York city
Museum of safety is re-opened. Am Mach 60: 160a Ja 24 '24
New York's safety museum. A. A. Hopkins. il Safety Eng 47:165-7 Ap '24

AMERICAN newspaper publishers' association
Newspaper convention seen through the advertiser's eye. Ptr Ink 127:113-14+ My 1 '24

AMERICAN oil men's association
Spring convention, Chicago. R. R. Moore. Pet Age 13:50-1+ Ap 1 '24

AMERICAN paper and pulp association
Annual meeting, New York, April 10. Paper 33:9-14 Ap 17 '24

AMERICAN petroleum institute
Annual meeting, 4th, St Louis, Dec. 11. Nat Pet N 15:68+ N 21 '23; Oil Paint & Drug Rep 104:44g-h D 17 '23; Soc Auto Eng J 14: 86-90 Ja '24

AMERICAN photo-engravers association
Annual meeting, 28th, Cincinnati, Ohio, June 26-28. Ptr Ink 128:93-4 Jl 3 '24

AMERICAN physical society
Minutes of the Washington meeting, April 25 and 26, 1924; and abstracts of papers. Phys R 23:760-87 Je '24

AMERICAN public health association
Annual meeting, Detroit, Oct. 20-23. Eng N 93:725 O 30 '24

AMERICAN pulp and paper mill superintendents' association
Annual convention, 5th, Dayton, May 22. Paper 34:231-9 My 29 '24

AMERICAN radiator company
How American radiator forecasts future sales and advertising. W. Bates. Ptr Ink M 9:17-18+ O '24

AMERICAN radiator company building, New York
American radiator building, New York city. H. W. Corbett. plans Arch Rec 55:473-7 My '24
American radiator company building, New York. R. M. Hood. Am Arch 126:467-74, pl 161-8 N 19 '24
American radiator co. building, New York; views and plans. Arch Forum 41:pl 43 S '24
Heating, ventilating, electric and elevator equipment for the American radiator building. Am Arch 126:481-2 N 19 '24
New building of American radiator co., New York. il plan Bldg Age 46:114-15 N '24
Structural steel frame of the American radiator building. il diags plans Am Arch 126: 475-80 N 19 '24

AMERICAN railway association
Annual meeting, 5th, Atlantic City, June 11-18. Am Mach 60:944a-b Je 19 '24
Efficiency program continued by American railway association. Ry R 73:719-20 N 17 '23
Joint meeting with the Association of railway executives, Chicago, May 15. Ry Age 76: 1253-4 My 24 '24

Equipment painting section
Annual meeting, 3d, Chicago, Sept. 2-4. Ry Mech Eng 98:624-9 O '24

Freight claim division
Annual convention, 33d, New Orleans, April 15-18. Ry Age 76:1029-32 Ap 26 '24; Ry R 74:762-5 Ap 26 '24

Mechanical division
Annual convention, 5th, Atlantic City, N.J., June 11-18. Ry R 74:1120-6, 1197-1204 Je 14-21 '24; Ry Age 76:1437-50, 1547-81, 1623-40, 1671-86 Je 12, 14, 17-18 '24

Purchase and stores division
Annual convention, 5th, Atlantic City, N.J., June 16. Ry R 74:1204-11 Je 21 '24; Ry Age 76:1641-59, 1687-1702 Je 17-18 '24

Regional advisory boards
Co-operation displaces prejudice; regional shippers' advisory boards are bringing the railroads and their customers into better understanding. H. G. Taylor. Aera 12:1885-90 Je '24
Eleven regional shippers' boards now organized. Ry Age 77:249-51 Ag 9 '24; Ry R 75: 183-4 Ag 2 '24
New regional advisory boards to be organized by the A. R. A. Ry R 74:94 Ja 5 '24
Organization of Shippers' regional advisory board for Middle Atlantic coast states. D. D. Conn. Comm & Fin Chr 118:165-6 Ja 12 '24; Same abr. Ry R 74:126-7 Ja 12 '24
Railroads and shippers sit at the round table. H. Hertell. Forbes 14:223-5 My 24 '24

AMERICAN railway association—Regional advisory boards—*Continued*
Shippers' regional advisory board for Wisconsin and neighboring territory. Comm & Fin Chr 118:2663 My 31 '24

Safety division
Annual meeting, 4th, Salt Lake City, Utah, June 24-26. Ry Age 77:27-9 Jl 5 '24

Signal section
Annual convention, 6th, Chicago, March 13-14. Ry Age 76:781-2 Mr 22 '24
Meeting, 13th, New York, Nov. 14. Ry Age 75:922-4 N 17 '23
Meeting, 15th, Swampscott, Mass., Sept. 23-25. Ry R 75:461-3 S 27 '24; Ry Age 77:547-50 S 27 '24

Telegraph and telephone section
Annual convention, Quebec, September 9-11. Ry Age 77:451-2 S 13 '24

Transportation division
Annual session, Atlantic City, April 30. Ry Age 76:1103-5 My 3 '24

AMERICAN railway bridge and building association
Annual convention, 34th, Kansas City, Mo., Oct. 21-23. Ry R 75:616-18 O 25 '24; Ry Age 77:753-8 O 25 '24; Eng N 93:825-6 N 20 '24

AMERICAN railway development association
Annual meeting, 16th, Savannah, May 14-16. Ry Age 76:1262 My 24 '24
15th semi-annual meeting, Chicago, Dec. 6-7. Ry Age 75:1109-11 D 15 '23

AMERICAN railway engineering association
Annual meeting, 25th, Chicago, March 11-13. Eng N 92:481-3, 491-3, 504 Mr 20 '24; Elec Ry J 63:507-10 Mr 29 '24; Ry R 74:516-22, 569-71 Mr 15-22 '24
Looking back twenty-five years; a short account of the American railway engineering association. Ry R 74:422-7 Mr 8 '24

AMERICAN railway tool foremen's association
Annual convention, 12th, Chicago, Sept. 3-5. Ry Mech Eng 98:621-3, 689-91 O-N '24

AMERICAN road builders' association
American good roads congress, 14th, Chicago, Jan. 15-17. Good Roads 56:1-3, 35-40 Ja-F '24; Can Eng 46:179, 187-8 Ja 22-29 '24; Eng & Contr (R & S) 61:5-15 Ja 2 '24; Eng N 92: 147-9 Ja 24 '24

AMERICAN short line railroad association
Annual meeting, 11th, San Francisco, Aug. 13-15. Ry Age 77:373-6 Ag 30 '24

AMERICAN silver producers' association
Conference, Salt Lake City, Aug. 6-8. A. G. MacKenzie. Min Cong J 10:444-7 S '24
Organization. Comm & Fin Chr 119:1012-13 Ag 30 '24
Organization meeting, Salt Lake City, August 6-8. E. R. Zalinski. Eng & Min J 118:265-6 Ag 16 '24

AMERICAN smelting and refining company
25th annual report for 1923. Comm & Fin Chr 118:1158-9 Mr 8 '24; Same. Eng & Min J 117:470 Mr 15 '24

AMERICAN society for municipal improvements
Annual convention, 30th, Boston, Sept. 29-Oct. 2. Eng N 93:593-5, 603-4+ O 9 '24; Pub Works 55:325-8, sup37 O '24
Annual meeting, 29th, Atlanta, Georgia, Nov. 13-16. Pub Works 54:381-4 D '23

AMERICAN society for steel treating
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Analysis of the stresses in the ring of a concrete skew arch. J. C: Rathbun. il diags Am Soc C E Pro 50:133-74 F '24
Big Four cutoff involves monumental bridge; relocation at Sidney, Ohio. il map Ry Age 77:99-103 Jl 19 '24; Same. Eng & Contr (Ry) 62:847-54 O 15 '24
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Construction of Lorne bridge, Brantford, Ont. F. P. Adams. il diags plan Can Eng 47: 493-7 N 11 '24
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BRITISH chemical and dyestuffs traders' association
Annual meeting, London, May 15. Chem Age (Lond) 10:534-5 My 24 '24

BRITISH COLUMBIA

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BRITISH commercial gas association
Annual meeting, 13th, Liverpool, Sept. 29-Oct. 1. Gas J (Lond) 168:29-33, 91-100 O 1-8 '24

BRITISH dyestuffs corporation
Annual meeting, 5th, Manchester, April 8. Chem Age (Lond) 10:379-81 Ap 12 '24

BRITISH electrical and allied manufacturers' association
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BRITISH electrical development association
Electricity in service at Wembley. J. W. Beauchamp. il Elec R (Lond) 94:839-42 My 23 '24

BRITISH Empire exhibition
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Bromo-derivatives of 1-methylglyoxaline, and the constitution of chloroxalmethylin. I. E. Balaban and F. L. Pyman. Chem Soc J 125: 1564-72 Ag '24

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POSTS

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